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<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1284

<212> DNA

<213> Homo sapiens

<400> 21

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<213> Homo sapiens

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<212> DNA
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<212> DNA

<213> Homo sapiens

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<210> 37

<211> 934

<212> DNA

<213> Homo sapiens

<400> 37

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 cgtatttttt tatattgcat ttaaaattaa atgacttgct tttgccagat taaatacaga 300
 taccattggg gttttctggt ttgattccta atgataatat ggattgattt caggtgtaat 360
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 cagcatgcct gatgtaccat atgaaccaga tttggatatc gaaatagatt ttcccagagg 480
 tactcaaaac ctttatgact atggaattta gttatggagt caactgtggg tatgatcatt 540
 taccatttga tgtttggtgc attgcctttt agcagtgttc atatttttta ttcttggtat 600
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 catgcctgta atccagcta ctccggaggg tgaggcagga ggattgcttg agaccaggag 840
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<210> 38

<211> 850

<212> DNA

<213> Homo sapiens

<400> 38

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 ttgtttttct tttagacatt tgcagatctt atctcaagg gactaggaac ccagagctaa 180
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 gtatataata atactggaca caaccatttg ccatcttttc ctgttatcat cccatagagt 540
 ggggtggggag aatgaataga cataaaccta gaataatgat aaatgggttt taaaactcta 600
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 tgtcatttca tttctagact gttgatggg atgatgataa agaatttgga gccaaattttg 780
 atatatgaat gtattgcttt tacatgtgat gattaaagct ctccattagc aaaaaaaaaa 840
 aaaaaaaaaa 850

<210> 39

<211> 1713

<212> DNA

<213> Homo sapiens

<400> 39

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tctcagcaaa	actatttggg	aaacattgca	ccctgtattt	ttaccaaca	tcttggtatg	120
aaaattatca	aatacattaa	aaagttaata	attttatagt	gtactcacta	cctagatgct	180
aattagcatt	acctatgctt	gctttgtcac	atatccattc	atcatttcat	attattatatt	240
gatgcatttt	aaattgcata	tcattaacta	gagttcattg	ttggcctttt	tacataaaat	300
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caattcctgt	ccctacttga	ccctcaaagg	caaccactgt	tcctttttct	accataagat	480
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acattgtaaa	tatgcaataa	aaatgttaac	aactawaaaa	aaaaaaaaaa	aaaaaactcg	1680
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<210> 40

<211> 720

<212> DNA

<213> Homo sapiens

<400> 40

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gcttgtcttg	ctgggtgaag	tgctaggtgt	cattggggac	tgtccagagc	tagttcagcg	120
ctccttctcg	gtggctagt	ttctgcctgg	ccccgatggc	aacattaact	cacctacaag	180
aaatgctgac	atgcaggagg	agctaattgc	ctccctagag	gagcaactga	agctgagtgg	240
ggaacattct	gagtcttcca	ctccacgacc	cagatcatct	cctgaagaga	caattgagcc	300
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agaagctgac	ctagatctga	tggagatttg	agtgttgagg	tcatgagggg	gtgtggagtg	420
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gggtatttgg	ttctattttt	taattttata	ccaccactcc	cccctgaagt	tgacttacac	540
ttccctgtgg	atttgtggat	taattaggaa	aaccaatagt	aatcacgtct	gagccaagga	600
gctggcccat	tggtcattca	cttctgctaa	aaacaggttt	ttgtgacttt	tttttttttt	660
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<210> 41

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (675)

<223> n equals a,t,g, or c

<400> 41

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gttggtttat	ttgggttttt	ttattgttga	gcactgatag	tttttaaaaa	tatattctgg	240
gtgtaacttc	actatcagtc	cattatcctt	gcaaagggtt	tctcccagtc	tctggattgt	300
cttttcattc	tcttaagagt	gtcttttgaa	gaacagaact	gcttattttg	atgaagtccg	360
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ctaaccaaag	attacaatga	ttttttcctg	tgttttcttc	taaagggtta	agttttacat	480
ctagatctag	catgtatttt	gagttatatg	gtgtgaaata	tggatccaag	ttcttttatg	540
tttttgtttt	gttttgtttt	gtttttgctt	atggatattc	aaatgtttcc	acaccatttg	600
tttaaaaaata	ctaccctttc	tcaataaaaa	aaaaaaaaaa	agggcggccg	ctctagagga	660
tccaagctta	cgtangcgtg	catgcga				687

<210> 42

<211> 1007

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (995)

<223> n equals a,t,g, or c

<400> 42

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gcattttcca	tctttttttac	tatagccatt	agtgggtggc	atatagtgat	atgtcagttt	180
tagttttcgg	ttttattttc	ttgtcctcca	aaccattgta	gtatctcccc	aggatagatg	240
agtgatggct	gagacctgag	acctaggcct	gttcctcaca	tgactgcacc	attttacatt	300
ctatcaatgt	atgaggtttc	cggttttctc	acatccttac	caactcctat	tattattagt	360
ctttttttatt	atagctatcc	tagtacatgt	gaagtatat	tgtgatatta	atttacactg	420
ccctaatagat	taataaatatt	gatcatcttt	tattgagaat	ctttgatgaa	rtgtctgttt	480
aaatcttttg	cccattatca	gttggtttat	ttgggttttt	ttattgttga	gcactgatag	540
tttttaaaaa	tatattctgg	gtgtaacttc	actatcagtc	cattatcctt	gcaaagggtt	600
tctcccagtc	tctggattgt	cttttcattc	tcttaagagt	gtcttttgaa	gaacagaact	660
gcttattttg	atgaagtccg	ttctttccat	ttgttcattt	ctgggtttgt	ctttgagtgc	720
tgtatctaag	aaatccttgc	ctaaccaaag	attacaatga	ttttttcctg	tgttttcttc	780
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aaatgtttcc	acaccatttg	tttaaaaaata	ctaccctttc	tcaataaaaa	aaaaaaaaaa	960
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<210> 43

<211> 1856

<212> DNA

<213> Homo sapiens

<400> 43

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<210> 44
 <211> 802
 <212> DNA
 <213> Homo sapiens

<400> 44
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 tctctccaca cccggcaggg ccgcgggctg cccagccctt gggggctcgtg ggcagctgct 180
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<210> 45
 <211> 690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <222> (683)
 <223> n equals a,t,g, or c

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<220>
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 <223> n equals a,t,g, or c

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 gtggagggtg cagtgaacca agatcgacc attgactcc agcctgggca ataagaatga 660
 aacaccatct caaaaannna annnanaaan 690

<210> 46
 <211> 1647
 <212> DNA
 <213> Homo sapiens

<400> 46
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<210> 47
<211> 2392
<212> DNA
<213> Homo sapiens

<400> 47						
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gtcatccctt	gcagacgtgt	catcgagcag	gctgactccc	acccctcagc	catgccatgg	180
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<210> 48
 <211> 1782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1765)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1771)
 <223> n equals a,t,g, or c

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tcggttaccct	cagcagctgc
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tttttcaact	atttattcat
tttgctggta	ttcacctgat
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cc	

<210> 49
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 49

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tctaaaatat	ggatgtacgt	ttttcatatt	ttagagttca	ttgtatggaa	aaataccatc	240
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tagggactat	gttgtaagtt	cacctgtgat	ggccagggtca	tacagtcatg	gcacagccac	480
taaccccat	cacagcacca	aggactgggg	accagaagg	cacttgggtta	tggtctccac	540
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<210> 50

<211> 1693

<212> DNA

<213> Homo sapiens

<400> 50

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<210> 51

<211> 1685

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1667)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1668)
 <223> n equals a,t,g, or c

<400> 51

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<210> 52
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 52

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<210> 53
 <211> 3208
 <212> DNA
 <213> Homo sapiens

<400> 53

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<210> 54
 <211> 2325
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (51)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2323)
 <223> n equals a,t,g, or c

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 ggtttgcacg ccctttttta ggagcctgtg gacatctgtg gttttgtact ttggggcttc 2160
 aggggagggtg ttttaacttt tagtgattga tgattgtcag gttttgaaat accaaagctt 2220
 ttttgttctg tttttaaata aatatctttc aaactttmaa aaaaaaaa aaaaaactcg 2280
 agggggggcc cggtacccaa ttcgccctat agtgaggggg tantc 2325

<210> 55
 <211> 637
 <212> DNA
 <213> Homo sapiens

<400> 55
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 tcttggtttca acctgcttgg gacatgaatt atccctttgt ccatcatatg cacgttgat 180
 atgttactca cccgatagtc acttagcagc tgtcttgatt attaggttga ctctcgtggt 240
 attgcagtgc ttgtgttcag ttcaataaag ttaaggttca ataaagttaa aataaagggt 300
 caataaagtt aacctttatt ttacgtaatg accctagggc acaagaatag tgatgatggc 360
 atattgtcat gatttttttt attatttaaat atcttattgt gcctaattta caaattagac 420
 tttctcatag gtgtgtatat ttaggaaaaa acatagtagc tgtaagggtc agtactatct 480
 gcgggtttcag gcatccactg gggttctggg aacatattcc ctgtggataa agggggacta 540
 ctatagttaa tttctatttt cccttgataa tgcagtttct tttgaatgcc tcagtccttg 600
 atgtttggct ctaaaaaaaa aaaaaaaaaa actcgta 637

<210> 56
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 56
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 gctgctgttc ttcttacctt ggtttttttc ctctctctct accttttcta ccttggtgtg 180
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 cagagagttt gtcaccagtt aagcaggctc ctcggaagtc cccctccgac actgagggtc 360
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 actccggcgg acatcacagt gacaagatta acaagtcaga gtctgtggtg tatgcggata 480
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 actctcgtgc agaaaatgta gccattacc acatgtagcc ttggagacct aggcaaggac 600
 aagtacacgt gtactcacag agggagagaa agatgtgtac aaaggatatg tataaatatt 660
 ctatttagtc atcctgatat gaggagccag tgttgcatga tgaaaagatg gtatgattct 720
 acatatgtaa aaaaaaaaaa aaaaaaaaaa 750

<210> 57
 <211> 543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (529)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (533)
 <223> n equals a,t,g, or c

<400> 57
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 tggagtcttc tcggccaagc tgctgtgac atggggttg aggtgctcca gagagtcag 180
 gccacccctg gaggaagtga cttgtggctg actgctcaag ggggaagtcct gtggcagtg 240
 agtcgtcagc attaatcaa ataagatctc tcctgcaca caatctgctt tcgtgttctt 300
 gatggattga atcaagagt aatgagctcc tacttcgga aagcaaaaca aactaaacgc 360
 atcaaccacg accgcagagc ccccatctct cccaggagg tgagcccatg ttgtgttttc 420
 atttgtcaga aatctatctt aggaagccat tcctgagatc tgttctaatt taggccattt 480
 ttaaaaaaaa taatgcagtt gaaaaaaaaa aaaaaaaac tctagggng ggnccggtac 540
 cca 543

<210> 58

<211> 637
 <212> DNA
 <213> Homo sapiens

<400> 58
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 aaaaaggcct tcgatacggg ataactcctat ttattacctc agaagttttt ttcttcgcag 120
 gattttttctg agcctttttac cactccagcc tagcccttac cccccaatta ggagggcact 180
 ggcccccaac aggcattcacc ccgctaaatc ccctagaagt cccactccta aacacatccg 240
 tattactcgc atcaggagta tcaatcacct gagctcacca tagtctaata gaaaacaacc 300
 gaaaccaa atattcaagca ctgctcatta caattttact gggctctctat ttaccctcc 360
 tacaagcctc agagtacttc gagtctccct tcaccatttc cgacggcatc tacggctcaa 420
 cattttttgt agccacaggc ttccacggac ttcacgtcat tattgggtca actttcctca 480
 ctatctgctt catccgcaa ctaatatctt actttacatc caaacatcac tttgggttcg 540
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<210> 59
 <211> 1629
 <212> DNA
 <213> Homo sapiens

<400> 59
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 ctctgccagt ggctcaactc cactttttgt tactgggtact caagattcaa tgagtgatgc 180
 cacttttgaa gagtcttcag agcactttcc acattttagt gaaccagggtg atgactttgg 240
 agaatttggg gatataaatg ctgtttcttg ccaagaggag acaatattaa caaagtcaga 300
 cctaaaacag acttctgata atttatcaga agaattgtcaa ttggcaagaa aatctagtgg 360
 aacaggcact gaacctgttg caaaacttaa aaatgggcaa gaaggtgaga ttggacattt 420
 tgattctgtg ccaaataatc aggatgactg caatggtttt caagactctg atgattttgc 480
 agacttcagt tcagctgggc ctageccaagt tgtagattgg aatgcttttg aggatgaaca 540
 aaaagatagt tgttcttggg ctgcttttgg agaccagcag gctactgaat ctcatcatcg 600
 aaaggaagcc tggcagtcac ataggacaga tgaaaatatt gatactccag gaaccccaa 660
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 atcagccact tcagttcaga cagctttatt aaaccgcctg gagcgaattt tcgaagcatg 780
 ttttccttcc atacttgtcc ctgatgctga agaggaagtt acttccctga agcacttgct 840
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 agatgtgtgg actgagctac aggatattcca tgatgcacat ggcttgagat accagtgggg 960
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 cacaagctct caagaaaaag cagacgggata actgatgtga attggacagt ttctattgct 1560
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 aaaaaaaaaa 1629

<210> 60
 <211> 1076
 <212> DNA
 <213> Homo sapiens

<400> 60
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 gcctgagcca ccacgcccag cctatatttgt gtttttttaa agctaactac cattaagatc 120
 attatagaag tttggtataa tgaagatttg ggtttttcag tccaatgagt ttccatattc 180

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gctcttttaa gtggtgaaag caatgcattt tattcttcaa attcagacat tgaatgtgta 420
taaaatgtgt gtgcttacct ttaatcctct cccaccgac aattaggaac acgtttctcc 480
aattactgtt ggcaagacta ccaagaaaaa ttgttgaatt agaatcccag caccgggcac 540
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gagaattgct tgaacctggg agttggagggt cacggtgagc tgatatcaca ccattgcaact 780
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cttattttga cattctgact tttctacata tgctttatca acctcttaac taaaccatca 960
ttgtctattt tgagagataa ctgcgctgct tcccggtgtg tgtttttaaat gttattgttc 1020
agtttgagtc aaataaaaagg atattttaatc tgtgaaaaaa aaaaaaaaaa aaaaaa 1076

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<210> 61
<211> 1652
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1500)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1527)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1546)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1614)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1640)
<223> n equals a,t,g, or c

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tcatcattag agattttttt tcagcagttg gtttacttta tgagaaagga tcatgagttt 180
aattttccca ctgatatatt tgtgttctca ttgctgagat ataagtttct taatgatttg 240
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cctcagagtt gtgaaaatta aatggatata atgtgtgtaa agcacttagc ataatgcttt 720
atacatcgta aaactttcaa aaataggagt agtaattatt acaaagaaat gtgaagaaga 780
gtcctagtgg gctgcatgtt aaaaatagtt tttagttaat gaaaattaaa tcacatctta 840

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gatgtttatc	atctgcatgg	tacttttctg	gttgctgctt	taacctttgt	atagttgaaa	900
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tatatTTTT	ggttcaagtc	accattcctt	gcaaaactaa	ttaaaatacat	tcctaaatac	1020
ataatattgc	caatattcat	tcacatccac	cacgtctaga	tccaagtctt	catcttcttt	1080
atgctggctc	aatttttgc	gagccttaga	agcaaagaca	gactccgggg	gttgatatgg	1140
gacctccaga	atggggattg	cacagaataa	tcttattttt	cctctattct	tctagtctgt	1200
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aaggccggca	tgggtggctca	tgcctgnaat	tctagcactt	tgggangcca	agcaagtgga	1560
ttggctgagc	tcaggagttc	gagacaccct	gggcaacatg	gggaaaacct	gctntctaaa	1620
aaaaaaaaaa	aaaaaactcn	ggggggggccc	gg			1652

<210> 62
 <211> 1639
 <212> DNA
 <213> Homo sapiens

<400> 62						
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atgaatgcct	ttagtttacc	ctgtttgtct	attattaatc	tgttttcatt	tatccttcat	180
agaggaggat	cctttcatga	tcttgaatac	atttcattag	atattgttgc	attttaagaa	240
tgaaaaataca	actgttttct	gtcttagatt	aatcctgctg	ctatgagaaa	ctgaaaatca	300
agaatgtgat	gcacttttta	cattactata	taccatacat	ataccatagg	ttgctttgat	360
acctttcctg	tagcacagcc	actaacaaga	gtgaatgaat	tataaaattc	tttttgggag	420
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gaatataaga	attctgttaa	tagtacactt	tttggcctta	aatgtcttct	actactgaaa	540
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ttgtctatgt	aagctgggga	cttatttttt	gtttgtatat	agaggggaaa	tagtgctgcc	720
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aatatcgcaa	agccaaaatt	ttaatttgct	tatttaatat	atttgttggc	cagagatcta	1020
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agtaatgcct	atgggttcct	accacctcac	taatttttat	gcagtatgaa		1140
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aatgtagtcc	actttaattt	ggaattctgt	gtgagctatg	atccaagtta	tcagctcttt	1500
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gaaaaaaaaa	aaaaaaaaaa					1639

<210> 63
 <211> 1308
 <212> DNA
 <213> Homo sapiens

<400> 63						
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ttttctccca	ttctgtaatg	tgtttctttg	tttattgttt	ctttggctgt	gcagaagctt	180
tttcattttg	tgtaatctca	tttttcygtc	tttgcttttc	ttacttgtgc	ttttggagtc	240
atatccaaaa	aatcattgcc	cagtccaaa	tcaagaaact	tttccttaca	ttttcttttg	300

tagctttata	atattagggtc	ttacgtgtaa	gtctttaatc	cagtttgagt	tgatttttgt	360
atatgggtgtg	agataaggggt	ctaatatcat	tcttctttat	gtggatatcc	agttttttcag	420
acatcatttta	ttgaagagac	tgttctttct	ccattgtgtg	ttattggcat	ctttgtcaaa	480
tatcaattga	ccataaatgc	atgggtttatt	tctgggctct	ctgttggtcc	actgggtctgt	540
ctgttttcgt	gtcagtagca	tgtgtttttt	attactatag	attttagtagta	tattttgaag	600
tcagggtggag	tgtgacgctt	ccagggtttgt	tcatttttgct	caagattgct	ttgactattt	660
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tcacttgaac	ccgggagggtg	gaggttgag	tgagccgaga	tgggtgccact	gcactccatg	1260
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<210> 64
 <211> 1891
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1164)
 <223> n equals a,t,g, or c

<400> 64						
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 <211> 726
 <212> DNA
 <213> Homo sapiens

<400> 65
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 cagcaaaactg tgattctcaa gattagaaag taacaaggaa tatgccaaa ctgtcaaatg 540
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 gaaagttgta aactagccca tagtcaccta tattttaggg aaaaaaatcc aaattgtttc 660
 ctaacattct attttatgcc cttgcgtatt aaacgtgaaa gtactcccaa aaaaaaaaaa 720
 aaaaaa 726

<210> 66
 <211> 1118
 <212> DNA
 <213> Homo sapiens

<400> 66
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<210> 67
 <211> 2793
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (223)
 <223> n equals a,t,g, or c

<220>
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 <222> (2782)
 <223> n equals a,t,g, or c

<220>
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 <222> (2786)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2787)
 <223> n equals a,t,g, or c

<400> 67

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<210> 68

<211> 1974
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1967)
 <223> n equals a,t,g, or c

<400> 68

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<210> 69
 <211> 1331
 <212> DNA
 <213> Homo sapiens

<400> 69

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<210> 70

<211> 2111

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1142)

<223> n equals a,t,g, or c

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<221> SITE

<222> (1203)

<223> n equals a,t,g, or c

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<221> SITE

<222> (1245)

<223> n equals a,t,g, or c

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<221> SITE

<222> (1765)

<223> n equals a,t,g, or c

<400> 70

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<210> 71
 <211> 592
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (451)
 <223> n equals a,t,g, or c

<400> 71
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 cccacccctg cccaggata cccctttttt ccaggccag cccttcccac cccatgaatt 120
 cttcaactat aatccagtgg aggacttctc gatgccaccc cacttaggat gtggccctgg 180
 agtgaacttt gtgcttggcc ctctgccacc tccaatccct ggccctaate cccatggtca 240
 gcaactgggc ccagtgttcc accgggggat gccacgctat gttcctaaca gcccctacca 300
 tgtgcgagaa atgggggggc cctgcaggca gcggctcaga cactcagaga gactgatcca 360
 cacatacaaa ctggacagac ggccctcctgc ccattcgggg acatggcctg ggtagactgg 420
 atcttgggct gggactggat gtgccaatgg nccttcaggg cctgcctggc acctcaggta 480
 ctgggctagg gtgtctgcta tgccctggat tggctctgtc cattgctgtc accaataaag 540
 gcatggaaga acagagtgc aaaaaaaaaa aaaaaaaaaa aaaaaactcg ag 592

<210> 72
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (350)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72
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 ggacgattgg gcaatatcgg ccttaactcc acctgatggc aggtgacccg gatagaaaat 120
 ggccctgcgt ttagccagga tgtggctctc cagcttggct tcagtgtgat cacttgtcag 180
 tgcgctttct ctttcgatag tgaaatcctt ctctatacct atgttttgtt ttgtttctta 240
 agttgggaaa cagaatgggc cagggaggtt gagtgactga agaccaaggg ttggtgcagc 300
 ctccctcgccg cgctgcgggg gctggggccg acaggcttct gcccttctcn ggtgtccagg 360
 ctccctgggt ratgctggag tktmatgsc cgcagttcag tgtgagattt tttaccagg 420
 attgcgctta aagggacatg attttccatt ttcttcgccc ggacaacttg aatgaaatgg 480
 gcactgttga ttccacttct gtcragragc ttctggggctc agagaggtga tgacgtgcc 540
 aaggtgacgc aactcgtgaa cagccgtgcc tgccctgggc gcanctccgg cgccagagct 600
 gggctcttca acacggcatt tagcgcagaa agtcgtgggt caggcagtat gggccgctgt 660
 gacaaaacac ctaagactgg gtagtttata aagaacagac attcaggcca ggcacggtga 720
 ctacgcctg taatcccagc actttgggag gccgaggcgg gtggatcatt tgaggtcagg 780
 agtttgaaac cagcctggcc aacatggtga aaccccatct ctactaaaaa aacaaaacta 840
 gctgggggtg gtggtgcatg cctgtggtcc cagctacttg ggaggctaag gtagaagaat 900
 tgcttgaacc tgggaggcag agattgcagt gagccgagat cacgccattg cactccagcc 960
 tgggtgacac agtgagactc catctcaaaa aaaaaaaaaa aaaactcgag 1010

<210> 73
 <211> 1219
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (575)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 73
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 ggtagccaag gcacagggtcc tgtctttaag cagtttatgg tatagtgggg aaaaggggtg 120
 gtaaaaaacac aaaatacctc ccatgcaaatt gtcctaactc tcttcattaa tcaatatcta 180
 catgatccca caggtctact tctttatctt catctctgca ggactagata tttgatagtt 240
 actactttcc caatgctaac ttcttcattt atcctgtcat attttgtttg tttcagtttt 300
 tatttttttg tttgtttgtg ttctgttttt tttagagaca ggggtctcagt ctgtcactca 360
 ggctggagtg cactggcaca caaaaagctc agcagcctgg gacttctggg cacaaaccct 420
 cctcacgcat caacctccaa agtgggtagg actacaggca tgtgccacca catctggcaa 480
 attttttaac tttttttttt ttgcaaagac aggggtctcac tctgttgccc aagcaggtct 540
 ggaactcccg ggcacaagca atccacccac ctcanctctt cnaagtgtg caatcacagg 600
 cattanccac cttgcccagc ctgattttgt ttttaataata tttcacagtc acattcgctg 660
 aaacttactt ctcccttatt ctcttatatt tcagtaactt tcaacattct gtttggataa 720
 cgtcacttat ctggtgccaata atacttaaat cgtagtctga tctattccca ggaattcagc 780
 attaccagtg ttctgactcc taaagctaca ttctttctgt tatctatact cacaaatttc 840
 agatctatat cctgttaaat atcacttgca tttttcaag ataccttaag tacaggatat 900

cttaaccaga atcattccaa ggaaaatgtg ctgctctttc cacttttccc aaggttggca 960
aatggcacca ctttttcctc accctctcgg gtaggtatct ttggtatctc ccactgttct 1020
ccatagcctt atccacatatt ctgcttagca aatccctact tttccaccct tcaaaccacg 1080
gctatgattt tttgtaaccc acactcaagt cctcctctac ttcttgtagc atataatcag 1140
tctctccata taatgcctct catgccttta cttttaaaca tcaaactctgc tcgtgtcgaa 1200
ttctttggat ccactagtg 1219

<210> 74
<211> 1392
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (86)
<223> n equals a,t,g, or c

<400> 74
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tgtcccatcc ntthttgaaga ttttgnccga wttttgamca aggccaccaa cctgcagcaa 120
tgamcaaagt tccaatgcca aataagtaaa gaggggagcc accacgaacc cggtgagggc 180
atcgagattt tggttttcaa catagcacaa gccagtcagt tcatctgcat ccaccagtct 240
cataatcaag atgacaatgg ttttcaactgc ggggatggcc caggctgcaa tgtggaaata 300
agagctgtgc atttcaatgg cttcatgacc ccatttgagt cctgctgcca aaaaccaagt 360
gagtgtcaga ataaccacc accaatggagct ggccattcca aaaaagtaca tcagcaagaa 420
aattattgca catcctgtgt tcttaagtcc ttcttggatg agaacagggt ctgctgcctc 480
ttcaaaatca caggatatcc tttcccggcc tacagtcagc ctgacaataa gcaatgctat 540
aaatattata gcacatactg agaaatatga tggggcgctc agggtaggaa aacctagaag 600
aatcgatcag gaaggtcagt actgtgaagg cagtggagat gaaacacagg ctggcccaca 660
cagccatcca gatatcagtg aactccttgg ctgagcggct gtataagcca gcatcatagc 720
cacacttgag cacacagttc aggctccttt tcaccagat gtactgatca gaattgggtc 780
ccacagagtg acactcttcc ccaggctgga tgggggtttt gtgaggtaag ggcacctctt 840
catcacctgg ccttcccatg cacatgtggt tgtggtcgtt ctgtggtggg aatttgctgc 900
agttcagact ctctggccag gcaaattcaa attccttcag gacgggttca cagcgtctct 960
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gcaatctagg tatctacttt taaaccaacc tatcgggagt ctgtctgttt actctgacct 1200
caaacaaggg cgctgataa tccatcactt acatactttt cttagtttgg ctttagtaat 1260
cctttccaga agaatgtaca taaataaata aataaaataa atagggtctg aagaattgca 1320
taagccctct ttgcacaaca cttgaaataa atcttaaaaa actgaaaaaa aaaaaaaaaa 1380

1392

aaaaactcgt ag

<210> 75
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (54)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (81)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (97)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (807)
 <223> n equals a,t,g, or c

<400> 75							
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gggttaacca	atttcacccc	nggraaccag	ctatggncca	tggatttasg	ccagctcgaa		120
attamcccty	cactaarggg	amcaaaagct	ggagctccac	cgcggtggcg	gccgctctag		180
aactagtgga	tcccccgggc	tgcaggaatt	cggcacgagg	tttaggagga	atacaattca		240
agaacctcac	tttgaagcta	accatagcaa	acctagttta	cctctagaat	gcagggtgaca		300
gtgtgcaacc	actcctgtca	tctgtctttt	gtatgctctt	cataagcaat	cttcctcttc		360
cttcccagtt	catttattta	gcctctgatt	cattcttctc	ttctcccacc	cctttctctt		420
ctaccagcca	gcctaccaat	acttattctc	tctgaaagga	tcttatcctt	taccagaagt		480
tcagttatta	cctctaagaa	ccagtccttt	ccctttttaa	ttttcttttc	cctgaaagag		540
tcagttttat	gtattagaaa	aatgaaggta	tatgttttcc	tttaaaggga	ttataatcat		600
tacagaaaaat	tttaaagttt	tcaaaaaaatt	aaaaaaaaaa	cccagaattt	cccaaaacct		660
gactatccaa	agagaagcac	ttaatgttat	gtgtgtgatc	ttgagtgaaa	atttaaaatt		720
tatattagaa	cattttataa	attatccaaa	ctttttgtac	gaaaaaaaca	gaaaatgtaa		780
aaaaaaaaaa	aaaaactcga	gggggggnccc	gca				813

<210> 76
 <211> 1896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (933)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (940)

1392-20050500

<223> n equals a,t,g, or c

<400> 76

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gcccttcctg	cgagacgtgc	agaccgactg	cacgcgcact	ggcctgggcg	gctactgggg	180
taacaagggg	ggcgtgagcg	tgcgcctggc	ggccttcggg	cacatgctct	gcttcctgaa	240
ctgccacttg	cctgcgcata	tggacaaggc	ggagcagcgc	aaagacaact	tccagaccat	300
cctcagcctc	cagcagttcc	aagggccggg	cgcacagggc	atcctggatc	atgacctcgt	360
gttctgtgtc	ggggacctga	acttcgcgat	tgagagctat	gacctgcact	ttgtcaagtt	420
tgccatcgac	agtgaccagc	tccatcagct	ctgggagaag	gaccagctca	acatggccaa	480
gaacacctgg	cccattctga	agggcctttca	ggagggggccc	ctcaacttcg	ctcccacctt	540
caagtttgat	gtgggtacca	acaaatacga	taccagtgc	aagaaacgga	agccagcttg	600
gacagaccgt	atcctatgga	aggtcaaggc	tccaggtggg	ggtcccagcc	cctcaggacg	660
gaagagccac	cgactccagg	tgacgcagca	cagctaccgc	agccacatgg	aatacacacg	720
cagcgaccac	aagcctgtgg	ytgccagtt	cctcctgcag	tttgcctttc	agggacgaca	780
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aggttaccgc	wtggaacac	tkttcgscg	cagytcctgg	gactggatcg	gcttataaccg	900
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cttcactcctg	ggctacyata	gtcacaacca	cagcatcctc	atcggcatca	ctgaaccctt	1080
ccagatctcg	ctgccttcct	cggagttggc	cagcagcagc	acagacagct	caggcaccag	1140
ctcagagggg	gaggatgaca	gcacactgga	gtcctttgca	cccaagtccc	gcagccccag	1200
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gggacctgat	cgggaggccc	tggcgcccaa	cagcctgtct	cctagtcccc	agggccatcg	1560
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tgatctgca	cctgcctctc	tgtcctggcc	aggggtggac	aactggggtc	ccccaaaact	1740
cagtccctggc	acctcaactg	tgacaatcag	caaagcccca	cccaggcccc	catctgggat	1800
gatgggagag	ctctggcaga	tgtcccaatc	ctggaggtca	tccattagga	attaaattct	1860
ccagcctcaa	aaaaaaaaaa	aaaaaaaaaa	ctcga			1896

<210> 77

<211> 1276

<212> DNA

<213> Homo sapiens

<400> 77

ggcacgagtt	tccgttccag	gatcttgagt	acagacatat	gtgggttttat	tgcactttgc	60
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tcaagcaagt	ctattggtgc	cattgtttcca	acagaatgtg	ctcacttttt	gtcacatttt	180
ggtaattctg	aaatatttca	aaagttatta	ttaatctgtt	atgggtgatct	gtgggtctttg	240
atgttaatat	tgtaattgtt	tgggagcaca	acaaaccatg	cccatgtagg	ttgcaaacct	300
agttggtaaa	tgttgtgtgt	aatagttgct	acaccaacca	gctgttcccc	aatcactctc	360
cctctcctta	ggcctcccta	ttccttgaga	caaaataata	ctgaaattag	gcaaattcac	420
aaccctataa	tggcttctaa	ctgtttcaagt	gtaagggaaga	gtcacacatc	tttcaacttta	480
aaccaaaacc	tagaaaggat	tgagcttaat	aaagaaggca	tgtcaaaagc	tgagataggg	540
caatagctag	gcctcttggt	ccagttagcc	aagttgtgaa	tgcaaaggaa	aagtccttga	600
agaaaactag	aactacttta	gcgaatacac	aaatgataag	atagtgtgac	attctaattg	660
ctgatatgga	gaaagtttta	gtagtctgga	taggagatca	gccacaacat	tctcttaagc	720
caaagctaac	tctcttcaat	tctatgaaag	cttagaggtg	aggaagctgc	agaagaaaag	780
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ctagctaaga	ttattgatga	aggtggctac	actaaacaag	agattttcag	tgttgacaaa	960
aggggtttct	tttgaagaa	gatgccatct	tggctttgaa	tagctggaga	gaataaggaa	1020
atgactgact	tcaagggaca	ggctatcttg	ttaggggcta	atgcagcagg	tgaccttaag	1080
tcgaagccca	tgctcattta	ccattctgaa	aatcttaggg	cccttaagaa	ttatatataa	1140

tctatcctgc	ctgtgcttta	taaatagaac	aactaagcct	ggatgccagc	acatctgttt	1200
atagcatgat	ttactgaaga	ttttaagtcc	actgttgaga	cttactgctc	aaaaactaaa	1260
aaaaaaaaaa	aaaaaa					1276

<210> 78
 <211> 1807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1807)
 <223> n equals a,t,g, or c

<400> 78						
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tgagctacat	gttaaataat	taaagtcctc	aaaataaaac	accccaacgt	tgaccttacc	180
cggctgatgg	ttagcccctt	gctgcctgct	ccatgtgtct	tatgagagcc	cgtagttaca	240
gtgtcctcta	atttgaaatc	cataagttaa	caagtctata	tcaggtgcag	ctggccttga	300
ttaaaggcca	tttttaaaac	ttaaaaaactc	aacacctcac	agattataat	agaaaaagaa	360
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tttagttcag	agttatatta	cagagaatta	ttttctgaga	taatcttaaa	ctagaatgtt	480
caaaactaat	tgataattga	agtatcaaga	tacgtagaac	acctcagaga	tttttcttca	540
ggaacttcca	caaaactttga	atccttgtat	ctttatttgg	tattcatact	actagtagca	600
aaatacaggt	tttttgtttt	gttttgtttt	ggcttcatag	agtatctcaa	attgaaactt	660
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aatacataaa	atcattttaa	tataattcag	catatgggaa	gtaacattgc	actaatatgg	780
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tccttactga	aaacaaatat	ggattaattg	cctcaaat	gtataagtga	ttggctagt	1020
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gttacatcca	gaacatttgt	caggctctct	gtcagcttcc	atgtacatat	ggtatagaaa	1440
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taaaataaac	ttttaaaaag	caggcactaa	tatatatttc	ttccagcctt	tgattacaaa	1560
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ttttaaactt	tcttattgcc	tttggctgtt	gattagtaca	gtacaagtgc	gatttcaaaa	1740
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aaaaaa						1807

<210> 79
 <211> 1732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (56)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (83)
 <223> n equals a,t,g, or c

<400> 79
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 tacctaggtt caaaattata ttnttttagga aggtgccctg gatttttgggt caggagatttt 120
 cttacmaacc atwttaaaaa mcamaactttg aaaagtmtcc tactaccaga agcacttaga 180
 ctatcacaga aaaatacatg aagagttaat gtctgagata agaccagcag cttatagtta 240
 taagaaaaac acactgtaca atgtttgggg gggaaatctg ttgtttatag aaaagcttta 300
 cttttttctt atttatcctc agataacgtt gtgaaatctg ctcatcagta aggatgatat 360
 ggaaagaatt ctctttttct atctatgggt tattttacata ttaaaatttt actcagttta 420
 ttaagtacac atatgatacc acactagatg caaatatata tacaggctat gacagtcaat 480
 gttcaatttta atactgggtca ataaagtga tttattcaaa tgtaacaact tcacttgaat 540
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 ttccattttta attataacat tcatctacaa gaaaaacaag gaaacaatt caaaactatg 660
 ttagtaatta gttcttggtt ggtccattgt acgcaatcag graagtatag gacttaatta 720
 gttgctatca aattgaagcm atgaaaaagg taaaaatcaa gtacttaaaa taaaaatatg 780
 gaaataaccc cccctcccca atactwwagg gacacwwaac aacaactact gtcccatcaa 840
 gcaaaagtgg aaaacaaaca gagcatgtgt gtaacctcac ttaccatctt tttgttattc 900
 tacttcaacg ggtcaagaaa ggtgaagaga gagaaggtag aagtaagagt cagaaaaggc 960
 ctaataaaaa tcctcactga aatgttttaa catacaagca atagagacaa ttaggttgag 1020
 gtcagatgca gtactactat atttaattgga gtttaataatt agggccaaat taacatggac 1080
 agttattcct gaatgcaaat taactcatta aacgatttaa atttccattt ttcagtctac 1140
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<210> 83
 <211> 1229
 <212> DNA
 <213> Homo sapiens

<400> 83
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 <212> DNA
 <213> Homo sapiens

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 <222> (1804)
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 <211> 1305
 <212> DNA
 <213> Homo sapiens

<400> 85						
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<210> 86
 <211> 1434
 <212> DNA
 <213> Homo sapiens

<400> 86						
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 <211> 910
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (857)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (862)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (883)
 <223> n equals a,t,g, or c

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<210> 88
 <211> 1359
 <212> DNA
 <213> Homo sapiens

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 <222> (1005)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1128)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1342)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1343)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1344)
 <223> n equals a,t,g, or c

<400> 88

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (100)
 <223> n equals a,t,g, or c

<400> 89

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<210> 90

<211> 746

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

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<222> (672)

<223> n equals a,t,g, or c

<400> 90

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<210> 92

<211> 1796
 <212> DNA
 <213> Homo sapiens

<400> 92

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<210> 93
 <211> 2166
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<220>

<221> SITE

<222> (2164)

<223> n equals a,t,g, or c

<400> 93

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<210> 94
 <211> 1287
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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<210> 95

<211> 1929

<212> DNA

<213> Homo sapiens

<220>

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<222> (26)

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<222> (1912)

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<221> SITE

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<400> 95

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<210> 96
 <211> 788
 <212> DNA
 <213> Homo sapiens

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aaaaaaaaa 788

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<210> 97
 <211> 1264
 <212> DNA
 <213> Homo sapiens

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<210> 98
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (855)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (868)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (891)
 <223> n equals a,t,g, or c

<400> 98
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 cgcgtccgga tgactgtaaat tctccttggt accgacgaga gatcattgga agctgccttc 120
 taacactttg tgtagctctg tggagttgga ttttcttaag gtttaaaaag aatcacagct 180
 tcggaacttt taactgaaaa tgagagacag aagccacagg ggaagcaaag caaataggat 240
 tttcaatata aatatcagtg tggaaaaata acctattctg ttgaatttag tgttcatgca 300
 cttgagaaca acattatttc catttactcc gaaaatcctt ctgtgggggt ttgagaaagt 360
 gaatgttgca gacatgttct gttgtgttgc actttatcct gtgtttatgt gtatgtgttt 420
 ttagattaat tcaagttgtg tgctatatatt cttgtataat ttacaaagt acacaaaata 480
 taaagagcag taaacttgtc tgaaagtttt tggcaaagga aggttaacttc aatgtaatag 540
 cttcctttta gagtacagga aaatgcattc tgtaatgaag tggggcccat gtaattgttt 600
 atattttcag ttttaagcag gtatagtgcg ggcttgktag gaatgtgtgg aagggaagaw 660
 tggaagtgat ttttctctt ttaaaagtaa acaaaattct tyaaatatgc cctagttaac 720
 tatttcagca taccattttt acttggttaa cagtgtacat tttgataacc tatcaggaat 780
 gaataaagta tttttattta aagggtgaaaa aaaaaaaaaa agggcgggccg ytytagagga 840
 tccaagcttg cgtangcgtg caaacganat caggagtcga tgagtagctt nt 892

<210> 99
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 99
 ggcacgagca aactctgatg gattgtcatt ctctccagac gggtcacct ttctgtgttt 60
 cctttggtgg caaaagccat tatcatctgc tgggaagtgc cggcaagagt cctggggctg 120
 ttgcagatgg ttctctcacc gctggagtgc catccgttct tccccaaggc tcatctgttc 180
 tttctcttaa atatccctcc atcttctctc cctctttgcc ttggtacaca tgccaaacac 240
 gttttatctg agccttcacg ggagcctagt taactctttc gctgtcacta gcctggccct 300
 cttgaatcca tcttctggtg tgtcttacag ttttctcaaa aacaaatggg ttctcacttt 360
 ggtgtctaag tctctatgta atctgggtccc agtctccctc tctctctctc tctctctgtc 420
 tgcctctttc gtgttgctgg gccttgcatg ccgtaccctg gcctttgtga aatgccttc 480

atctgtgctc ttcctccac ctggaatgtc cgtctctctt tttctgcca cccactcggc 540
ccctccctcc tgcaagccct tgagtgtccc ctccctccat gtcctgtggg ggcagag 597

<210> 100
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (308)
<223> n equals a,t,g, or c

<400> 100
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gcttggaggt gggccttcct gactgggcca tcccttgca gcgttctcag cccacactgg 120
ctccctctgc gcaggccct acttgtgaag gagctgagcc gcactcggg ggctgtcctg 180
gggcacccat gttgtgtgtt ttggttttgt ttattttgta tctgcctggg ttttccaagt 240
ctaatacagga tgtcccctgg ggtgacattc tttgctgaga gaagggcaca tgcctcgggt 300
ccctgggnet gtagaaagcc agtgctcagc cttgctttct gccgcagact tgggtgcccgg 360
agactcgtca tcaaagtgc gtggagataa tgtccaatgg gaggctgagg caggagaatg 420
gcatgaggca gagcttgag tgagccaaga tcgaccacc gtactccagc ctgggcaaca 480
gagcgaggct ctgtctcaaa aaaaagaaaa aaaaaaaaaa aaaactcgag 530

<210> 101
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1109)
<223> n equals a,t,g, or c

<400> 101
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gaaaggctgg aggacacacc taaacatgtg gaatcccaat gccgggcagc cagggccaaa 120
tccatataccc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
taatccaccc tttccccag gccctgtcc tectcccca ggagctcccc atggcaatcc 240
agctttcccc ccagggtggc cccctcacc tgtgccacag ccagggtatc caggatgcca 300
accgttgggt cctaccctc ctccataccc accgctgcc cctggaatcc ctctgtgaa 360
tcccttgggt cctggcatgg ttggaccagc agtgatagta gacaagaaga tgcagaagaa 420
aatgaagaaa gtcataaaa agatgcacaa gcacaaaag caccacaagt accacaagca 480
tggcaagcat tccctctctt cctcctctc ttccagcagt gattctgact gaatacaggc 540
cctggaccct tccctcaagt ctaccagtt ctgctctccc atcaagcttc agatgccatg 600
ttgtactggg ggaatgtagc ccttgtgtc cccacccct acctscacct gagcctcacc 660
ctgctgttga gccctgagtg gctaggggaa atgggaagag gattgccatg gcctggccat 720
cttgttgctg cttggttaga tcatatagct aatgaattag gcaggggagc tattttttga 780
agatgatgaa ctaaatgttg aagacaagtt tgagatctgt aaaatgtgat tttttacttc 840
cacttataat acttgtgatt ggggaggttt gtggaaattc aattatgatg aaaaacctat 900
cttttttgta atgttggcat acttggggaa tttagtggca aatacattcc ccagcaggcc 960
ttttgttggg tgactaact gcaagggttg tgggaagtag agtccatttg gttgatgagc 1020
tttgactgag gttttggaac cttacctctc ctcccttagc caatatgctg tcttgggtcc 1080
tattcaaata aagttatttc tcctggtcna aaaaaacggc acgagcggca cgagctacgt 1140
ggg 1143

<210> 102
<211> 402
<212> DNA
<213> Homo sapiens

<220>
 <221> SITE
 <222> (373)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (397)
 <223> n equals a,t,g, or c

<400> 102
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 cccccccagc ccagccccgc cctccccaga ctccgcgcaa tcacatactg tatatagacg 120
 tgaatcgatt ttatttttat tcttttaaatt aaggctcgtga taaagtgttg ccaaagatac 180
 ctgctgaatt ctgcggtttc aggaacacaaa caaacacaaa aaaatgatat ttgaggaggg 240
 tcgtgttgac tccatatgaa aggacacagc tcaaagcttt tttgtttggt tgtttggggg 300
 tttttgtgtt ttcttttttt ggggtgtttt ttttttaact gcctgggtaca aaaaaaaaaa 360
 gagaaaaaaaa acncggggggg ggccccggaa ccaatnccc cc 402

<210> 103
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 103
 ggcacgagcc agcacccact tcccacaggc cttccctcct cccctgcctg ctgaccgggc 60
 agctcccagc agcacggcct tgtttcccag ggaacaatgc atctgtgtca cggacaacaa 120
 tgtcctttca tgtcaggcgc actggccccg gtgcacgccc ggacgtggca caaaggggtgc 180
 tttgtgcagc tcagggatgt gagttcctgg ctttgccatg ttggtgctgc cgaccggggg 240
 cctctgtcct tgggtcccag ttatgcaaca gtcagtcgag gctgtggggc tggcccaggg 300
 gctttatctg tctccctctc caacttttgc caagttacc ttctgggctt ccgccagcca 360
 ggagcccaca ctccctcagc cctcccacac gctcctctca actcctagct gggcttcgct 420
 gacttgaacc tggccgagtt tgccgggctcg gggctccaag gtgcgctgct g 471

<210> 104
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 104
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 gataacccat ctgccattgt gtcaagaggg ggggttgaggg ttaagctctt ctctggggaa 120
 tcacatggaa agtctaggca cagttcgtcc ctccagagagc cactgtgtgc catctccatg 180
 ctctgaagga gagactccag cttcttgttt tggatgttta tgtccacaaa atatttctga 240
 atgcctttat ctttatcagc caagctctcc gcatggtttc gatgacctgt ttgagctgtt 300
 taatctcttt cctggcttct ttgagtgcga actgggcttc taccgggtga cactcctcct 360
 caatccagtc ctctcgcagc cgggccagct gggacttaag ctccacgatt tcactttccc 420
 tagagtgcga agacaagcat ggttaattaa aaaaaaaaaa aaaaaaa 467

<210> 105
 <211> 761
 <212> DNA
 <213> Homo sapiens

<400> 105
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 tcgccatctt acagataaga ccaactgaggg actggctccg ggcttctcat ccagttggcg 120
 gcacagagga gtccaagggtc aggttgtcta gagtccagct cttctcacga ccctagtccg 180
 cctccacaga accagggagc cgggacaagg aggacactgc cttcaggacc cttctgcgga 240
 ggtccctcat ggtgcagaag ttgggagtag aggcagaaac agctgtgaaa attctgattt 300
 gtttgtttct ctgagccaag cttaaagtga taatgaagcc aagctggcaa ttaccttcct 360

gtgcgtgata	atggtggtag	tgggtgatgct	gactgcagca	ggatgacggt	gatgtcagca	420
gcgacacccat	tgggtcttatt	gatggtggca	gtgcccaggg	tgggtgtgggg	gtaatagcat	480
gagtggtgctg	tgggatgctg	ttagtgatcc	tgctagggcc	aggttagctt	ggaggggaga	540
gtgatgtcca	tcactgcagt	ggtggcaatg	ctgctagaga	cctcctgagt	agttggactc	600
gggctggcat	tgctgctggg	accttccctc	accccatca	ggaagacccc	tctgtccttc	660
cccacctca	gtgaargggg	cagggctcag	arccttccgt	agaactggct	ttattgcatt	720
ccctgttctg	gacagtgtaa	gcsatggccc	tgccctctga	g		761

<210> 106

<211> 943

<212> DNA

<213> Homo sapiens

<400> 106

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tcaggccctg	ggttctatgt	gacactacat	taggaattgg	attggttggg	tttgctttgt	120
gtttttgagg	tagaggaaga	aatgggaatc	tttttttct	cttccaggag	tcagtggaaag	180
aatagtcttc	tagctaagga	acggacatac	ctttgtttta	aaatatatta	tacttacaaa	240
aatctagaaa	tggagagggg	actgttttga	ataaggattt	aaaatacctg	cacaaggata	300
gagagaaact	atgtgactca	ttctgtgaaa	agacttcttg	cagttgtgag	ttatttagaa	360
atgatcaaaa	tttgtaatta	ggctaatacca	tttagtgatt	cctaataattt	tgtactcaca	420
gagaactaat	tgactaaaca	acttgaacgc	tagtggtttg	tccttagaca	atctgtcttt	480
gaatttaaag	tctttatcgc	taagaccttg	actttaaatt	tttcatcact	acaaccttga	540
atttaatttc	aggtcttcaa	catgatgacc	ttggatttaa	tttaaagtct	tcaacactat	600
gcgctttatc	atattattcc	cagatgcatt	tttgaaatgt	agtatgtaaa	agtatgtaac	660
gtgctgttta	ttaacaaaag	attgttcaca	acatctcatg	tagtttaaat	ttgtaaatac	720
tgcttctggt	ttgtttctcc	tttatacact	tgactgtctt	tgtgataagt	gacatgaatt	780
ttatgttagg	attaagtatg	ttttcctgaa	acttggattt	tttttgtaat	tatataattg	840
agagttaaga	atgaaatcct	tcaagtgtta	aaaactcaca	ttttaaaagc	aaatttttgg	900
tccaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaa		943

<210> 107

<211> 497

<212> DNA

<213> Homo sapiens

<400> 107

tttttttttt	ttttattatg	aaaccatgat	ttggccttaa	aaacttaaga	agaataaagt	60
aagagttgct	acaatgaagt	cagaatgaaa	ctattaaaga	atggtaatgg	aatgatttca	120
ggtatgagt	ttattagaaa	cgtggctctc	tcttctctca	tgcatcaacc	tgtaatgact	180
ccctaatact	tatgtgataa	ccacactttg	tctctcaaga	attccaaagg	cagagagaat	240
gatcagtgat	tgtcagagtt	tgaaaacaat	ctcaaaagag	cagtaataac	ttcaaattat	300
ttggaaatcc	cttattttta	gaattcaaga	aaatttagca	tcataatttc	tatttaagtt	360
gctacagaga	tatttaacat	gacttatcaa	ttaattaatt	ataagtttcc	ctactctgct	420
agttttactt	caaataatga	agggaaactt	ataattaatt	gataagtcatt	gttaaatata	480
agtttcccg	acgcgtg					497

<210> 108

<211> 1536

<212> DNA

<213> Homo sapiens

<400> 108

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ccgtcagcca	tcagccatgg	ccctcccagt	gcctcctagc	cccttcttcc	aaggagcaga	120
gaggtggcca	ccgggggtgc	tctgtcctac	ctccactctc	tgcccctaaa	gatggggagg	180
gaccagcggt	ccatgggtct	ggcctgtgag	tctccccttg	cagcctggtc	actaggcatc	240
acccccgctt	tggttcttca	gatgctcttg	gggttcatag	gggcaggctc	tagtcgggca	300
gggcccctga	ccctcccggc	ctggcttcac	tctcccctgac	ggctgccatt	ggtccaccct	360
ttcatagaga	ggcctgcttt	gttacaagc	tcggtctctc	ctcctgcagc	tcggttaagt	420
acccgaggcc	tctcttaaga	tgtccagggc	ccagggcccg	cgggcacagc	cagcccaaac	480

cttgggcccct ggaagatcct ccaccccac actagagtgc tctgaccctg ggcttttcacg 540
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 tcgtctcttg tgactcagca gaggcagtgg ccacgttcag gaggggcccgg tggcctggag 660
 gctcagccca ccctccagct tttcctcagg gtgtcctgag gtccaagatt ctggagcaat 720
 ctgacccttc tccaaaggct ctgttatcag ctgggcagtg ccaccaatcc ctggccattt 780
 ggccccaggg gacgtgggccc tgcaggctgc aggagggcac tggagctggg aggtctcgtc 840
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 ggcagggctg ggccctgtga caatctgcct ttcaccacat ggcttgccctc ggtggcccctg 1020
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 ccccagctac tgtatgcccc cgacccccgc agaggcagaa tgaaccata gggagctgat 1440
 cgtaatgttt atcatgttac ttccccaccc ctacattttt tgaaataaaa taaggaattt 1500
 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1536

<210> 109
 <211> 1550
 <212> DNA
 <213> Homo sapiens

<400> 109
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 cttttccata gcagtgactg aggttcaaaa gagcattaat ggggtccgctg atgtcttacc 120
 tgatatgtta cctgacctgc ccgtatctct ggttctgtta tccctgatca tgggtgatat 180
 tattgaaaaa ctcaggatat atcctcttag agggagtcac aagagtaagt gttcttttaa 240
 atgtgaatat tttttaaaagt ttgatataat tttcacattt ctgccactgt gttatctgac 300
 aacatgttta atgatacctt ttcttagggc taacattact gatagaagat tgcaaatgaa 360
 gatattctaa cataattatt tttaaaccta ccttgatagc tagatagctg cttttgtttg 420
 ctattcgcat ttttagtagta ctgataaatt aaaaattatc aaatagttaa taccaaaaac 480
 cttaatgttt attccagcaa gaaattatcc aagtaatta ttatagatgt atatttttct 540
 aggaagtctc ttaaagctta tgtttaaatg gattaataaa aagcttagtt tggagacttt 600
 tactacagga attaatatga ctgtggtagt tgtgtcctag ataactatgt gtttaattgt 660
 gaattataaa aatgccaaaag atcacactaa taaaaccaag atatggctgg gtgcagtggc 720
 tcacacctgt aatcccagca tttttggagg ccaggatggg aagatggcat gagctcagga 780
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 agtgaccctg cttgggtggg tacaaactgg cttgaggctc aacacctttg aaaaacagat 1440
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 cacatactca tttaaaaaag ttataaata gagataaaaa aaaaaaaaaa 1550

<210> 110
 <211> 1997
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1468)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1495)
 <223> n equals a,t,g, or c

<400> 110
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 ggagctgaag gaaaaggaag ccacactatg tctagagttt ctgcttcaaa atgatgcaaa 120
 tccatctatc cgggacaagg aagggttaca tagcatacat tatgctgccg cctatgggca 180
 caggcagtgt ctggaattgc ttttggaag aacaaacagt ggatttgaag aatcagattc 240
 tgggtgctact aagagtccac tccacttagc tgcctacaat gggcaccatc aagccttgga 300
 agtcctctgc agtcgttggt ggacctggac atcagggatg agaaaggccg cactgctctg 360
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 cagctttaca cagaaggatt atgacaggac acgaagaatg tgtgcaaatg ctgctggaac 720
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 gtggcacgcc acgtggctga gcgagctgct ccaaattggct ctttctgagg aggactgttg 840
 tttcaaagat aaccaaggct acacgccgct gcactgggct tgttacaatg gtaatgaaaa 900
 ctgtatagag gtacttttgg agcaaaaatg ttttcgcaaa tttatcggtc atccctttac 960
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 acgcagtaga taattcaggg aaaacagcac tgatgatggc tgctgagaat gggcaggcag 1200
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 gaatacacc cttacatttg cttggagtaa aggtcatgaa aaatgtgcct tgttaatact 1320
 tgacaagata caagacgaga gccttattaa tgaaaaaat aatgcactgc agacaccctt 1380
 ccacgtcgct gcgcgcaatg gcgaaagggt gtagttgagg agttgctggc caaaggggac 1440
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 ccgctgtaca aaaagaagaa tgagactctt taaaaattat gcacatacac atgcacacat 1560
 atatgtgtgc gtgtgtatat atatatatat gtgtgtgtgt gtgtgtagt catcagccag 1620
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 aaattcaagt gagaactgaa gtagcttttt tatggagtta aatgtaact tctgtgttta 1740
 ccagtctttg ttgtatttta tatttcttag gacacagatt tctagttgac cacttaacat 1800
 ttgtaactga tgatgtgttg accttttttt ttttttttgc caaactagag aaaatgtcca 1860
 tatacttttg ctgtaaatgt gtttataatt atttgaaatg aaacaaatgg tgaggaaaca 1920
 tccattattt gttctctatt ttaattgcta tgtatcttat ttagaataac aaaaaaaaaa 1980
 aaaaaaaaaa aaaaaaa 1997

<210> 111
 <211> 2582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1006)
 <223> n equals a,t,g, or c

<400> 111
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 tctgatgccc cacagcaagg aggtagccca gccccgctgt cggctgctct cgaggaggcc 120
 ggagctcccc gagacgatgc gccccgcgca gccgcctgct cctgcccag cggctgccc 180
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1921)

<223> n equals a,t,g, or c

<400> 115

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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<210> 117
 <211> 1489
 <212> DNA
 <213> Homo sapiens

<400> 117
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 attaaatact tccaggaaca aatagttcac tttgcttggg acttgtagtt ttgagtaatt 180
 aatcatccat ggagcaggag ccagtcagga gataccggtt ggtaccactg gtcccattgg 240
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 actcaatatc acttcgatca tccctggaca ccttgccctt tgaaacagct ttgcaagcta 360
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taaaaaccca ccaggaaggg taaggtccaa cgatctccca gctttcaa atgtgtggtat 480
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<210> 118
<211> 645
<212> DNA
<213> Homo sapiens

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<400> 118
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ttttgttttg ttttggtttt tttttttttt ttggcttgac tcaggattta aaaactggaa 180
cgggtgaagg gacagcagtc ggttggagcg agcatcccc aaagttcaca atgtggccga 240
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caaaattttt ttaactctcg ccttaatact tttttatttt gttttatttt gaatgatgag 480
ccttcgtgcc ccccttctcc ccttttttgt tcccaactt gagatgtatg aaggcttttg 540
gtctccctgg gagtgggtgg aggcagccag ggcttacctg tacactgact tgagaccagt 600
tgaataaaaag tgcacacctt aaaaaaaaaa aaaaaaaaaa aaaaaa 645

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```

<210> 119
<211> 701
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (670)
<223> n equals a,t,g, or c

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<400> 119
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agcccgagaa gaggcctgcc cttgggtgcg gagtctccct ccgcacgatg ctcccacgcg 180
tccaacttgc acccaagggg cttttccctc ttccaagtgg actccttcaa ggaagctgca 240
gctcggtcag cagagaaggg gcctgccgcc agcgccctgg aggaagagga agaggaaccc 300
aagaggatgg cttgtctccc agcagccaca ccggctttgt gctcagccag ttcatttgag 360
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ttagtgactc cagcagaccc actgtcccag aaaagcctga tcctgtagtt tatgtagaat 480
gccacatctg cgtcctcaag acctgtttca tccatttggg aaaagatgtt gggaaaggcc 540
actttgctcg caggggtgag gggaaggata gagaatctat ttttaataaa taacattcta 600
gaaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaan aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 701

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<210> 120
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<400> 120
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 ctcaagtctt cgctgcctct tactggctgt gtgaccttgg gcaggccagg tagcctcagc 180
 ttcctagaga atgtatgtaa tgggcttggc atacagaata tggcacatag taggtactca 240
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 gcccttccct ctctggcctt cacactccac atcctcagcc cagcacagga gccaattttg 660
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<210> 121
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (69)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (128)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (198)
 <223> n equals a,t,g, or c

<400> 121
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 tccatagnag acaccgggac cgatccagcc tccggactct agentaggcc gcgggacggg 180
 ataacaattt cacacagnaa acagctatga ccactaggct tttgcaaaaa gctatttagg 240
 tgacactata gaaggtacsc ctgcmggtac cggtccggaa ttcccgggtc gactgcgccc 300

TOTAL "23005660"

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 ctgcgcgggg gcgcccgctgc tgggtgctgct gctgtggctg gcggtggact gggcgctgat 480
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 cgaggcggcc gc 552

<210> 122
 <211> 1756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (907)
 <223> n equals a,t,g, or c

<400> 122
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 gagcgtaaaa ggcttttgaa taaagtgtgg aacagagcgc ctattctga taacatgcaa 180
 tcataaaaac catagggcaa cttggagtta aggagtttct agaatttgct ttagtctcca 240
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 tctgagttga gatttcagggt tgtgacactt gccgtgactt atttgtaaat gacatttgtag 420
 tgtcttagat actaatggaa ttcattattct ggctagttct ttcagtgcac ttgtagacat 480
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 taatgctaata ttcaactgga agcacttttt caagcccagc tatcaaacca caccagacat 600
 gtatggattc ggggttgcca ataaagcggt gctattatgt aagcatccct caccgataca 660
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 catgtgagtg aacttggttt aagttgaaat aaaatgggtga aagcattgat atcaatcatt 840
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<210> 123
 <211> 1547
 <212> DNA
 <213> Homo sapiens

<400> 123
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 atttttttat ggctacacag cagtgtatat atwwrtwgct ctgttggctt tttatatact 180
 ctctatatag aaggaagttg aacatggatc atacctctc cccagagttc tcttttagct 240
 tgcaggtgcc acaaaattac tgtgtcctga actgagcttc tgggcctctc gctgtcccca 300
 gttcctgtgc ctgccgtcac gaggtgtggt tgagtcttca tgtgggtctc tgtctccatt 360
 ctgtagccac cccatcctgt tctcctcacg tccatttgct ctacatcctt tctgtcatc 420

05505500 "202150" 094500

TOTAL 60 " 2005660

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aactcaggag gtggaggttg cagtgagctg agatcgcgca actgcactcc agcctgggtg 1500
acggcaagac tccatctcaa aaaaaaaaaa aaaaaaaggg cggccgc 1547

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<210> 124

<211> 377

<212> DNA

<213> Homo sapiens

<400> 124

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aaaaaaaaaa aaaaaaaa 377

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<210> 125

<211> 660

<212> DNA

<213> Homo sapiens

<400> 125

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aaccagctca aggagaccac tgaggcagcc tgcagatacg gagccttttg gctgcccac 180
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cattagccat gtggcaacct ttacttctat gcctcacaag tgcctttcag agagcccaa 540
ttctgctttc ccacaaaata aacctaatgc catcaggcaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660

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<210> 126

<211> 678

<212> DNA

<213> Homo sapiens

<400> 126

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tcgacccacg cgtccggttg tagctgggat tacaggcgca cgtgtgccac cacgtccagt 60
taatagagat tttcagtaga gacgagggtt caccctgttg gtcaggctgg tctcgaactc 120
ctgaacaagg gagacttcta agaaggtagg agttgagcaa gaaatggctg ctatggtttt 180

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aattccccggg tgcaccacg cgtccgcagt ataatgcttg ccagaaaaaa atagggttagg 60
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taccacattt ccaagtccaa acggtgatca gagaacccca aaataaaaatt ttggcactga 180
attcatagga atacaattat tttaaagcat tagaaggaaa gagaactcat agtctgtgtt 240
actgtgctgg gtgggcttag gtttggggct tgtttgattt ttgttttacc aatttagatt 300
cctttccaca cttgcctgct accacaagta aggattgagg ttaaattgggt tttcatcttt 360
tattgggatt ggtgaacctt ttaggattgg taaactgctt tctcttgggc aagccaaact 420
atctctcact aattgtttca atagtggccc ctttgacctt cctcttttcc tttatctcaa 480
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```

<210> 129
<211> 1663
<212> DNA
<213> Homo sapiens

```

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<400> 129
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gatttagaag taaaaataaa gtatctctga ctttctgtta aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaactc gag 1663

```

```

<210> 130
<211> 3034
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

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<400> 130
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<212> DNA

<213> Homo sapiens

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<212> DNA

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<210> 133

<211> 1569

<212> DNA

<213> Homo sapiens

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 <211> 941
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<211> 2000

<212> DNA

<213> Homo sapiens

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<210> 140

<211> 1526

<212> DNA

<213> Homo sapiens

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<211> 1887

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (1882)

<223> n equals a,t,g, or c

<400> 141

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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

<400> 143						
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<213> Homo sapiens

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<223> n equals a,t,g, or c

<400> 144

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<211> 4907

<212> DNA

<213> Homo sapiens

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<221> SITE

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<223> n equals a,t,g, or c

<400> 145

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<211> 3977

<212> DNA

<213> Homo sapiens

<400> 147

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<211> 2036

<212> DNA

<213> Homo sapiens

<400> 148

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<211> 2204

<212> DNA

<213> Homo sapiens

<400> 149

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<210> 150

<211> 1047

09500000-091201

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> n equals a,t,g, or c

<400> 150
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<210> 151
<211> 2114
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (699)
<223> n equals a,t,g, or c

<400> 151
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<210> 152
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (638)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (656)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (675)
 <223> n equals a,t,g, or c

<400> 152
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 gtaaggattt gcccggtgtg tatttttttac aattgagaca ttttacttta atcttttaaa 540
 aaaatgcatt aaaaacacac tcaaaaaaaa aaaaaaaaaa ctcgaggggg ggccccggtam 600
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 aaacccgggt taccna 676

<210> 153
 <211> 1121
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1106)
<223> n equals a,t,g, or c

<400> 153

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gagactcgca	tgccgccacc	acctcactgg	gagggcgccg	agccanccgt	cgccccctag	300
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ttcactttca	agtgtatcat	ggcaaagtga	cagatttttt	tgttaataat	gtgctaggat	1020
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<210> 154
<211> 1189
<212> DNA
<213> Homo sapiens

<400> 154

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atacacatcc	atatacatat	attgtgtggt	ttcccttttc	tttccctttt	ttaagcaaca	960

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gtcagcctgg	ctgggctctg	gtgggggctc	ctgatccgca	tccaagctta	accaaggctc	1140
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<210> 155

<211> 1820

<212> DNA

<213> Homo sapiens

<400> 155

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<210> 156

<211> 1573

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1549)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1550)

<223> n equals a,t,g, or c

<400> 156

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<210> 157
 <211> 1304
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> n equals a,t,g, or c

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<400> 157
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<210> 158

<211> 1867
 <212> DNA
 <213> Homo sapiens

<400> 158
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 aaaaaa 1867

<210> 159
 <211> 1125
 <212> DNA
 <213> Homo sapiens

<400> 159
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taatacaaat attccaaaat caaaaaaaaaa aaaaaaaaaa aactc 1125

<210> 160
<211> 2168
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (735)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1551)
<223> n equals a,t,g, or c

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ccaagccagg tggatcaact gaggtcagga gttcagagacc agcctggcca atatggtgaa 1920
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cagctacttg ggaggctgag gcaggagaat tgcttgaacc cgggaggcag agtttgcagt 2040
gagccgagat cgcaccgttg caccacagcc tgggtgacaa gagtgagact ctgtgtcaaa 2100
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tattcgta 2168

<210> 161
 <211> 1260
 <212> DNA
 <213> Homo sapiens

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 cattccaaat tctaattctcc agtgtcacct tgcattgtcca tttctggatt tatattttgt 180
 atttttagtat ttatatccca tgtttcattt gactctggga tacaagcaat tgtcagatgc 240
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 ttagtcggac atactgtctt gaaccagga ggcagaggtt tcagttagct gagattgtgc 1200
 cgctgcactc cagcctaggc aacagagcga gactctgtct caaaaaaaaaa aaaaaaaaaa 1260

<210> 162
 <211> 1109
 <212> DNA
 <213> Homo sapiens

<400> 162
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 aatgaacaaa cataaaacaa tacttaaatg agaattctgt gtcttttttg gttttatctg 120
 tgatttatatt tgtccagtat taaggaatgg ttatctttat cattcttcta acatgttttg 180
 gtttctctaa tggttcattt tccttttagct tgtgaaaatt agggcagttt gtccagagcc 240
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 gggatattga ataggtagta aaggcaggta caagtttaag ggagcagggc tatcatatgt 360
 actaggtgag atttctataa atgtctgaaa agttacatgc atagtcattg gctcaggtaa 420
 tttctctgaa tttgaactta tttgatttat ttaaccaagt tattataata tgcagttctc 480
 tttaatcaat cttctattat tcaatcatct atccatttat taattcaaca aatatttatt 540
 aaagtgccta ccatgattat gtgctgtaga aaagacaagg acatttacta ggggggattg 600
 tgggcccatt cggtcatcata agcatgtctg aagcaaaaga caataatcac atccaacggc 660
 accagttcag ctcaacttta gaattcagca gtaacagtac agatggccta aagtacatct 720
 gtgtgtatct gtacgtgtgc acacacccat gtatatatat ttatctatct gtacaaacac 780
 tacatatgta tacacactat ctatgtaaaa tataatatat gtataatgca tataaattct 840
 aacaagtgta tttgtgttat ctttaaaata gaacaattgt atcttgaagt ggtaaatgca 900
 gagaattggg tttatgttg atctgtggat ttaatgattt ctagggtgaaa aggacgttta 960
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 ttgaaaaaaa aaaaaaaaaa aaactcgag 1109

<210> 163
 <211> 1109
 <212> DNA
 <213> Homo sapiens

<400> 163

"2300550" 60210

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gtgtgtatct	gtacgtgtgc	acacacccat	gtatataat	ttatctatct	gtacaaaacac	780
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ttgaaaaaaa	aaaaaaaaaa	aaactcag				1109

<210> 164
 <211> 1614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<400> 164						
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caaagtttac	agacttttga	tatggaaaac	cagataaaac	aatgttacaa	aaggcaaata	180
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cagaagttag	gaaatcaatt	ttttaagggtg	agccatttgg	ctttttttaa	aaattgagat	1560
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<210> 165
 <211> 939

<212> DNA
<213> Homo sapiens

<400> 165
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gaaagtgtag caagaagaca gccctggcca ctaaaagagg ggggatcgtg ctggccaagg 840
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<210> 166
<211> 746
<212> DNA
<213> Homo sapiens

<400> 166
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aacaaaataa aaaaaaaaaa aaaaaa 746

<210> 167
<211> 1647
<212> DNA
<213> Homo sapiens

<400> 167
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tgacagagat acacctttgt aagaaaacat taagaatgct ggctggctgt ggtggctcac 840

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 <212> DNA
 <213> Homo sapiens

<400> 171

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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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1275

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 <211> 1157
 <212> DNA
 <213> Homo sapiens

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 <211> 1885
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <211> 2735
 <212> DNA
 <213> Homo sapiens

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T.C.T.60" 23005660

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<213> Homo sapiens

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<220>
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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (558)
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <222> (1938)
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<212> DNA
<213> Homo sapiens

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<211> 1236
<212> DNA
<213> Homo sapiens

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<210> 190

<211> 1233

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (637)

<223> n equals a,t,g, or c

<400> 190

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<211> 1520

<212> DNA

<213> Homo sapiens

<220>

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<222> (1507)

<223> n equals a,t,g, or c

<400> 191

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<210> 192

<211> 1379

<212> DNA

<213> Homo sapiens

<400> 192 .

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<210> 193

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 193

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<210> 194

<211> 1378

<212> DNA

<213> Homo sapiens

<400> 194

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<210> 195

<211> 1316

<212> DNA

<213> Homo sapiens

<400> 195

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<210> 196

<211> 1738

<212> DNA

<213> Homo sapiens

<400> 196

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<210> 197

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (106)

<223> n equals a,t,g, or c

<400> 197

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atatcattac tgtgtaaaaa aaaaaaaaaa aaactcgagg gggggggcc 528

<210> 198
 <211> 1054
 <212> DNA
 <213> Homo sapiens

<400> 198
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 <211> 5061
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (5057)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

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09/08/2016 10:09:01

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 <211> 1771
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>

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 <211> 2014
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 <213> Homo sapiens

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 <211> 594
 <212> DNA
 <213> Homo sapiens
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 <222> (587)
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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TCT60" 280560

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agtcttctct gtctttaatc tttctctcct ctctactat ttatagccag tctcatatta 540
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atggattttt tcttcaaact tgtttattta atattaagtt ttcatttttg gcagcatatg 900
gatgatttta tttttaataa tcatatctct tagtaaaact atgggttaaat aatattaaag 960
tataagaagc taaaattggc cagggtgtggg ggctcacgcc tgtaatccca gcactttggg 1020
aggctgaggc aggcagatca cctgagggtc ggagttcaag atcagcctgg ccaacgtggg 1080
gaaaccctgt ctttactaaa aatacaaaaa ttagctgggc gtgggtggcg acgcctgtag 1140
tcccagctac ttgggagggt gaggcagtag aatcacttca acccaggagg tggaggttgc 1200
agttagcaaa gatcatgcta ctgccctcca gcttggtatga cagagcgaga ctccatctta 1260
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<210> 215
<211> 531
<212> DNA
<213> Homo sapiens

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<400> 215
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tacttttgat ttccctagga tggagagta taggtgggag ataaggggag tggggtgaga 180
ggagaaagga aatgttggca tgggcctgtg tgatgtccct gaggcagaag agccggggac 240
tgatgggttc aggtgggagc tgctgggtga ggcagggaac ccttttctact cccattcctt 300
agcttttagtc taatggagcc aaggactgct gggaccttca accctgatct tttgtcttcc 360
agtcttctct tagtgtcctg ctccctaggtt tccctctctt ctgggtcttc tcccaggtat 420
tctcttccca ggcctctctg gccactgctt tgtatcaggg tttttcacgc tttttagaaa 480
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```

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<210> 216
<211> 1093
<212> DNA
<213> Homo sapiens

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<400> 216
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 tacatgtttg ttttctaaca gttatTTTTT aagcttttga gataatttta gacttacaga 180
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 ctaaagtaga aagtttaaaa agtagagatt ttagtctttt cactaatgtc cttttactgt 360
 tccaagaccc agccttgcac ttagctatca tgcctacgtc ctgtcttcca gtctgtgaca 420
 gtgtatcata acaggggata cctgatgttg taatgtatTT ctgggtgttg taaccttgat 480
 cactatgcta aggtgggtgtc tgctaggatt cgctactgta aacttactgt gttttccttg 540
 taattattga atatttgctg gagatacccg gagactatgc aaatgtcccg tttctgctta 600
 aacttttgcT cattttacta tccattggca gatcttgcTT gtggcagtta ctactgtggT 660
 gttctaattg tgaattttct tttctctcaa tcttctaca tttattattg gaattcttct 720
 gtaaggaaga gttgtcagtt ctggatttat atttttaact ataataagat attcaggata 780
 agtatagatt tagaacttaa agatgttaaa tcatgttaaa attattccaa ataccaatat 840
 caaagaaaac taagttggta atctatctca gaaaatatat gaacttaaga aggaaaatag 900
 tatttatgat ttgtagaatt ggttcaactt ttgacttaat actgactttg gactgaattc 960
 aaagttttct tgaaatttca catctggact ttttaaagtg tctacattta tattactttg 1020
 gggatcattt tgtcaaagtc ttgaataaag ttaccagtc ctggcatgat aaaaaaaaaa 1080
 aaaaaaaaaa aaa 1093

<210> 217
 <211> 1980
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<400> 217
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 gaccacgggc cgaggcccag cgcccgctccg cagcgcggcg gcatggcggc gacaaggagc 120
 cccacgcggg caagggagcg ggacgggtctg gcgctcccgc cgcaggaagt gaccaagttc 180
 actcctggat gctagctaca agccaagcct tagacactgt ctggagaatg gcaaaaggct 240
 ttgtgatgtt ggcagtttca tttctgggtg ctgccatctg ctacttccg aggctacatt 300
 tatattcagg gcacaagctg aaatgggtgga ttggatatct gcagagaaaa ttcaaaagga 360
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 agacaccccg taacaagctg atgaggaagg cttatgagga gctattttgg cggcatcaca 480
 ttaaatgtgt tcgacaagta aggagagata actatgatgc tctcagatca gtgttatttc 540
 agatattcag ccagggcac tcttttccat catggatgaa agaaaaggac attgttaagc 600
 ttcttgaaaa actgctgttt tcacaagggt gtaattggat tcagcagtac agttttgggtc 660
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gtttttattta	gatttttttaa	aattctgtag	attaaagcaa	atgacagtta	ttgaactatc	1920
acaaaactat	taaactgtgg	tacattttaa	aaaaaaaaa	aaaaaaaaa	aaaactcgt	1980

<210> 218
 <211> 1982
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<400> 218						
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ccccacgcgg	gcaagggagc	gggagcggtc	tggcgctsc	gccgcaggaa	gtgaccaagt	180
tcactcctgg	atgctagcta	caagccaagc	cttagacact	gtctggagaa	tggtcaaaag	240
ctttgtgatg	ttggcagttt	cattttctggt	ggctgccatc	tgctacttcc	ggaggctaca	300
tttatattca	gggcacaagc	tgaatgggtg	gattggatat	ctgcagagaa	aattcaaaag	360
gaacctcagt	gtggaggcag	aggttgattt	actcagttat	tgtgcaagag	aatggaaagg	420
agagacaccc	cgtaacaagc	tgatgaggaa	ggcttatgag	gagctatatt	ggcgccatca	480
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tagttttatt	tagatttttt	aaaattctgt	agattaaagc	aaatgacagt	tattgaacta	1920
tcacaaaact	attaaactgt	ggtacattta	aaaaaaaaa	aaaaaaaaa	aaaaaactcg	1980
ag						1982

<210> 219
 <211> 2154
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (461)
 <223> n equals a,t,g, or c

<400> 219
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 gccggggcag tagtcgaagg cccggcgcg cagtccttg gtgccgcgg gggggcagtg 180
 aacgcgcgcc gggcggggat ggccggcgcc gggcgccaga gctgtaccgg gctccgttcc 240
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 ggaccttaag gcctctgtgt ggcagaagga tcagctgggt acacagctgc actggcaaga 900
 aaatggaccc accttttcca gcacacctta ccgctaccag gcctgcagg ttgggcagg 960
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 ctactacgtg agggaggccc atggcattgt ggtgacggat gtggccttct tacctgagaa 1260
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 tgactccagg tcccaggaac cttgccttcg tcatctgtgg atccatccag aacagcggta 1680
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 gcctaaagat gcaataagtt cctaggtagt ctacccttac cttgaggaat gggaaaatga 2040
 acctcagccc attaggcagg aaaagttgat atttaataaa caaggaaaga gtgaactgag 2100
 accccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 2154

<210> 220
 <211> 1009
 <212> DNA
 <213> Homo sapiens

<400> 220
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 tgaagagttc atagaccca aatctcaca atttgtcctt cgcttacagt ctgagacatc 960
 cgtttaaaag ttctatattt gtggccttat taaaaaaaaa aaaaaaaaaa 1009

<210> 221
 <211> 665
 <212> DNA
 <213> Homo sapiens

<400> 221
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 caacaatgtc cttactctcc ccaaacctcc tggctctcaa ggatgaccac attctgatac 180
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 ccctcccaca attagagttg tatgccagcc cctaataattc accactggct tttctctccc 300
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<210> 222
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 222
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<210> 223
 <211> 2886
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (391)
 <223> n equals a,t,g, or c

<400> 223
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 cgccctggcct gcagcgctcc cccccccggc ggccgcacga tgccctttga cttcaggagg 120
 tttgacatct acaggaaggt gcccaaggac cttacgcagc caacgtacac cggggccatt 180
 atctccatct gctgctgcct ctccatctct tctctcttcc tctcgagct caccggattt 240
 ataacgacag aagttgtgaa cgagctctat gtcgatgacc cagacaagga cagcgggtggc 300
 aagatcgacg tcactctgaac atcagttttac ccaatctgca ctgcgagttg gttgggcttg 360

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gagccccaag	aacagagtca	ggcaaggggt	ggggagtcca	gggatcttgg	ggacccctcc	1260
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aaaaaa						2886

<210> 224
 <211> 1298
 <212> DNA
 <213> Homo sapiens

<400> 224						
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aacgaaccgc	agtgtccacc	ggcgaggagc	cagccctgtc	ccggtcagag	aaagacgacg	120
aggatacctg	ggagcgggcg	gcggccgggc	tgggcccgcg	cggtgcgggc	tggcgactct	180
gtcctccgc	ttgctgctgt	ctctgggaac	tgggtgccag	cgctgagggg	cttcagcgg	240
acagggaccc	ccttccccgg	ctccccctgc	caccctgccg	gggagggcgg	aagatgccgg	300
taagaagaa	gagaaaaatc	cctgggggtg	cagcagcagt	agcgggaagac	ggaggcctca	360
aaaagtgtaa	aatctccagc	tattgcagat	cccaaccccc	tgctagacta	ataagtggag	420
aggaacattt	ttcaagcaag	aagtgcctgg	cttgggtttt	tgaatatgca	ggtcctgatg	480
aagtgttagg	gccagaagga	atggaaaaat	tttgtgaaga	cattgggtgtt	ggaacctgaa	540
aatattatta	tgttagtttt	agcgtggaaa	ttggaggctg	aaacatgggg	atTTTTTacc	600
aaggaagaat	ggttttaaagg	gaatgacttc	attacagtgt	gactgcacag	aaaagttaca	660

aaacaaat	gacttttt	gctcaacag	tgaatgat	ttcgtcatt	aagaatat	720
acagatat	ctttgatt	gcaagggat	aagatcag	aagccttg	attgatact	780
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aattcagc	aacagtcc	gctgatctt	gtaactat	tgaagatgg	gcttggcct	960
ttcttctt	tgaatttgt	gagtggcaa	aagtccgt	gacatcat	caagaact	1020
gtgaagaaa	tgcaaacct	tcaattccc	cgtgtata	agctaatt	atgaggggg	1080
aaaaaatcc	acgggtgca	tttcattca	atgaaagac	tctcatag	ctttttttt	1140
cttttttta	aggaggttt	tcttgttac	tgtgatggg	attgagcc	acctcttct	1200
agactgaat	ttgaagttt	tgttttgag	tatgtttat	acattttat	cagaacaat	1260
aagattcag	tttgtgaca	aaaaaaaaa	aaaaaaaaa			1298

<210> 225
 <211> 989
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (352)
 <223> n equals a,t,g, or c

<400> 225						
ggcacgagt	aaggagggg	gcattaagc	ccctggggc	ccacgatgg	cagcaagag	60
ttgccgagg	aggaaagcc	accggtggg	tgggcagag	ggttgggtg	tggacttct	120
gagcctcag	aggaagggt	cgggttccc	tggctgcag	cgtccctgag	gctgccctg	180
ctccccagg	agagacctt	ctgccctac	acacgggcg	cgccattgat	ggcatcgtc	240
tccagaaa	catgggatc	gttcagcac	gctgttcgt	atcgtgtgc	tgttgccat	300
tggcaggtg	ctggctca	ccccacgcc	tgccccgna	accccgacct	gnaaccagg	360
aaggaaagg	aggggcctg	ttcctaagg	agacaaggg	ccaggaggc	cctggaaat	420
cccctggtg	gcctgtcc	cagctgggt	ccctggga	cggcttcac	actgtcttg	480
agcaccctg	aaccacacc	tctgggtcc	gaaaagggt	tcagtcctc	gggttccct	540
ctcaccctc	ctggctgtt	tccaagtag	aatctggtc	caaacagaa	cggctttgt	600
tgagttgtt	tggaggaag	agggctctg	tggcacatt	gggtctctt	tcccaca	660
gtccccctt	ccctcacct	gaggggggt	cccactggg	atgaggggg	ccccgcagg	720
atgccagcc	tggagtggg	ctgcggtgg	gtccccagg	ctgcagctg	aggcattct	780
aggggcaac	tggaggaag	gccagggat	catgggatt	taattgttt	atcacacct	840
ccccgtggc	aagaaacag	cagtcctct	caggtgtct	ctggatttc	ggtgatggg	900
agagaaatc	ttttacagt	tcaaattat	ttcaacaa	aaaaattgc	ttttttatt	960
tgaaaaaaa	aaaaaaaaa	aaaaaaaaa				989

<210> 226
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 226						
ggcacgaga	attacagc	tgcaaaagc	agctaaact	taccactga	gagttgc	60
agtatcaga	aatgttag	ccaccacc	cagccaagc	cttcaccat	gatgtgg	120
agaagttag	agagggcc	aagaatata	ggctgttgc	gacagagct	cagaaact	180
gtgagtcct	ccaatcag	gagagagct	gttgccac	cactggggc	ggaaaact	240
gtcaagcct	gaccactgt	gatgacat	taatcaaa	ggaccagac	ctggctga	300
tgcagaaca	catggtg	gtgaaact	accttcgga	gaaggcag	tgtattg	360
agcagtat	tactgtgt	aaactcca	gccaggtt	tgccaaaa	cgccttgg	420
ccaaccagg	aatcagca	ccaaacca	aaccaccag	gaagaaacc	ttccttcg	480
atttacttc	ccgaacac	acctgc	gctcaacag	ctgcagcc	tatgcccga	540

tcctacgctc	acggcggttc	cctttactca	aatctgggcc	ttttggcaaa	aagtactaag	600
gctgtgggga	aagagaagag	cagtcacggc	cctgaggtgg	gtcagctact	ctcctgaaga	660
aataggtctc	ttttatgctt	taccatata	caggaattat	atccaggatg	caatactcag	720
acactagctt	ttttctcact	tttgtattat	aaccacctat	gtaatctcat	gttgttgttt	780
ttttttat	acttatatga	tttctatgca	cacaaaaaca	gttatattaa	agatattatt	840
gttcacaaaa	aaaaaaaaata	aaaaaaaaaaa	aaaaaaaaaaa			879

<210> 227
 <211> 1919
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1903)
 <223> n equals a,t,g, or c

<400> 227						
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cggacaccct	gaaggtccc	gtgctcactt	ggacatgaac	tctcttgata	gagcccaagc	120
agccaagaat	aaaggcaata	aatattttta	agcaggaaaa	tatgaacaag	ctattcagtg	180
ctatactgag	gctattagct	tgtgccctac	agagaagaat	gttgaccttt	ctacatttta	240
tcaaaacaga	gctgtgcct	ttgaacagtt	gcaaaaatgg	aaagaagtgg	cacaagactg	300
tacaaaagct	gttgaactta	atcccaaata	tgtgaaagct	ctcttttagac	gtgcaaaagc	360
ccatgagaag	ctagacaata	agaaggaatg	tttagaagat	gtcactgctg	tgtgtatatt	420
agaaggggttc	caaaatcaac	aaagcatgct	gttagccgat	aaagttctta	aactccttgg	480
aaaagagaaa	gccaaagaaa	aatataagaa	tcgtgaacct	ctgatgccat	ctccacagtt	540
tatcaaatct	tacttcagtt	ctttcacgga	tgatatcatt	tcccagccca	tgcttaaagg	600
agagaaatct	gatgaagata	aagacaagga	aggggaggct	ttagaagtga	aagaaaattc	660
tggatactta	aaggccaaac	agtatatgga	agaagaaaac	tacgataaaa	tcataagtga	720
atgctcaaaa	gaaatagatg	ctgaaggcaa	atacatggca	gaagcattgc	tactacgagc	780
tacctttctac	gtccttattg	gcaatgcca	tgacagccaa	ccagatttag	ataaagtcac	840
cagtttgaaa	gaagctaattg	tgaagcttcg	agcaaatgct	ctcatcaaaa	gaggcagcat	900
gtacatgcaa	cagcagcagc	ctttgctgtc	cactcaagat	tttaacatgg	ctgctgacat	960
cgatcctcag	aatgcagatg	tttatcacca	ccgaggacag	ctgaaaatac	tccttgatca	1020
agttgaagaa	gcagtggcag	attttgatga	atgtattagg	ttaagacctg	agtctgctct	1080
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aggtttactt	caacttcagt	ggaagcaaga	tctggataga	ggtttggaac	ttatcagcaa	1380
ggctattgaa	attgacaata	aatgtgattt	tgcttatgaa	accatgggaa	ctattgaagt	1440
acaaagagga	aacatggaga	aagccattga	catgttcaac	aaagctatta	acctggccaa	1500
atcggaatg	gagatggccc	atctgtattc	actttgcat	gccgcccacg	cccagacaga	1560
agttgcaaa	aaatayggat	taaaaccacc	aacattataa	aacaggggga	aagcagactg	1620
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ccctgtgcaa	caaaagatta	gaacatgtta	aagggaattt	taaataaagt	tgcaaagagt	1860
acaaatgata	attggccatg	caaataaaaa	aaaaaaaaaaa	aanaaaaaag	ggcggccgc	1919

<210> 228
 <211> 1181
 <212> DNA
 <213> Homo sapiens

<400> 228						
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atgtggcagt	attctgtttt	gaagccggga	ccatgattgg	caagcttgcc	acttggtcaa	120
gtgctcacc	tctgaaaatg	tcttcccttg	tctttgcctc	cagctgggtg	ccacaaactc	180
tgaactggat	tccaaggctt	tcacgaatgc	acttatgttt	gctgtggcag	ctgcattatg	240

tcgtggggga	tgtggatgca	gaacctcaca	ttctgtcatc	ttgcttatgt	tactctcctt	300
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ataaattgct	caaatttata	cattatgtaa	gctgttaata	aaatttcttg	taggtgctac	420
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agatttctat	tcttttttag	tctgtatcta	aatgaccata	tatttttaatt	ccaaatactt	540
actttatact	tcagtaaatgc	tcattgtatt	ttgcaaaatt	tatattgttc	ttttatttga	600
aaatataagg	cttttttttag	ctcctgaaag	ctatattata	gtcatatagt	tttattatag	660
tatttgataa	gaagagcagc	aacatattga	gaacagataa	aattctgctg	tctttttaat	720
gattattttat	taaattcttc	tcattagagc	ctattattaa	tgattgtaat	gtatttactg	780
tataattttt	ctgcaattta	ttaaatgcca	atgacttcca	atgtctgctt	ttcatgactg	840
cacacagttt	aaagctgtag	atatctaaag	ggttattttt	cagcccgga	tgggtgctcac	900
gcctgtaatc	ccagcacttt	gggaggccaa	ggtgggtgga	tcacgaggtc	aggagatcaa	960
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gcatagtggg	gggtgctgt	attcccagct	actcgagagg	ctgaggcagg	agaatggcgt	1080
gaacccagtg	ggcggagctt	gcagtgaagg	gagatggcac	cactgcacta	tagcctgggc	1140
gacaggggtga	gactctgtct	caaaaaaaaa	aaaaaaaaaa	a		1181

<210> 229
 <211> 1801
 <212> DNA
 <213> Homo sapiens

<400> 229						
acgcgtccgc	gccctttttt	tttttttttt	ttttttcaga	cagcatctca	ctaagccgcc	60
caggctacag	tgcagtggca	caatctcagt	tcaactgcagc	ctcaacctcc	tgggcataag	120
tgatcctccc	acctcagcct	cccaagtagc	tgggattaca	ggcatgcacc	actatgttcg	180
gctactttta	aaaatttttt	tgtcgagacg	acatctcatt	atattgcccc	agctgggtctc	240
aaactcctag	gctcaagcaa	tctctccacc	taggcctcgc	aaagtactgg	aattaaggca	300
tggaccacca	tgcccagccc	cacagccaaa	cttcttgaaa	gaatgggtcta	tatttactat	360
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aaattcaaca	tataggagct	gccttttctc	gactctctcc	tccttttgct	catcttcagc	540
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ggttttacca	gatccctttc	cctgcttctg	gttctgcttc	tgcttctagt	cctgcttcta	1320
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ctgcgactcc	gccctcgtct	tctattgtac	cgggtctctgt	atgaatctct	tccttcttta	1440
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gaggaggtag	gtaactcttt	gtattcacag	catcaaaaag	tttttccaca	aatatctgtg	1560
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ttttgtcttt	ctttaccaaa	gccagaacat	attttgctag	ggcggatgga	tctgcatcac	1680
agatgggctc	gagagtcttg	ctgagccagg	acttgagtgc	ctcgaagttt	tcaatgatca	1740
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c						1801

<210> 230
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (1991)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1992)
 <223> n equals a,t,g, or c

<400> 230
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 ctgctcctat ttctaagact gtgaccaaca gagcactgga gcatgcagca gcacacagac 120
 cccccgcca gatgcctcgt cgtctgggac cccatgcttg cccaggtcc cttggggccac 180
 atactaatcc ccctctggag accttgaggg aggtaagatt gggaattagc aatacctgaa 240
 atgtgttaat tctctaggtc atgtttgact ctactccagt cctcgtcgcc ctcttctctc 300
 accccagact tgggtgcaagc tdtccctct gcctacaaca ctcttcttct ccatgtttac 360
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 aacagaatct ggsctgtggm aggtctctct ctaggtaacg aagtgsattc cttgcagcmt 480
 ttagggaccc agggatcaaa gggctccgca attactttg acacwtgggt tccaagatcg 540
 cctgaccct gaatrctcca aggccagaca ggagaagagc gaaattggag ggctgtgtga 600
 gaggcatttt ggattgggac tggaggtagg gaacatccct ttagccttca ttccactgcc 660
 tggatagctt tcacatggcc atgcctaata gccaggagg cttatgacca tggtcagaaa 720
 gtcagctgtg tttccagggg gacaaaggaa caggtttgtg aatcatcatg gtctgaagtt 780
 cctggtacac gggatccatt tcactcatct tgcctcatag agaaccctca ttctcacctc 840
 ccacaaggga gaaaatgcaa agtttcatgc agtcactgca cagagtcttc cagtgtgtg 900
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 taaaaccgta acaattcccc accacacacc aaaaaatacc taacatcagg ttaatgttac 1020
 ctccctycct gactacagaa acaggatacg cacaaggaaa actgccatta gaaagggaag 1080
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 tttctcagaa atgtaatagg ttctgatgac ttgtttctag ttatttccat gtatccatag 1320
 ccatgtccag agtttcttgt tgtacataat tccctaactt gatgaattat gctttctagt 1380
 tcatagactt ctctctctct aatgatagag tttatgcaaa accatcagac acagggtggga 1440
 agattacacc tattattatt acaccaatta tttcatcttt tctacagggc tcagtcttaa 1500
 ctggccactt aaaggatttt tcatacttat tttctattat tgagctttag gtacaatcag 1560
 ctttttcaac cctgtgaaat accaaaattt trrgrtratc gttctctata tcatttatat 1620
 catttataaa ctageccttc cttccctrar cctawttatc tcctctaata agctttttta 1680
 aagcacaact aacaggccag gcacagtgtc cagcctata atcccagcac tttgggaggc 1740
 caaggcagggt gaatcacttg aggccaggag ttcaagacca gtctggacaa catgggtgaaa 1800
 ccccatctct agtaaaaata caaaaattag ctgggcgtgg tgggtgcacac ctgtaatcct 1860
 agctacttgg gaggtgagg cacaagcatt acctgaacct gggaggcaga ggttgcagtg 1920
 agccgagatt gcaccactgc attccagccc gggagacaga gcaagaccct gtctctgaag 1980
 gaaaaaaaaa nnaaaaaggg cggccgc 2007

<210> 231
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (274)
 <223> n equals a,t,g, or c

<400> 231
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 ttaagggtgt gtataaataa tattcttttg gggggagggg aactatattg aattttatat 120
 ttctgagcaa agcgttgaca aatcagatga tcagctttat ccaagaaaga agactagtaa 180
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tttttcagggt	ttattctttt	agcagggtga	gttaaacgac	ctccactgaa	ctggggttga	720
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aaaaaaaaaa						788

<210> 232
 <211> 1049
 <212> DNA
 <213> Homo sapiens

<400> 232						
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<210> 233
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 233						
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aatccggcca	cacgaataga	aggtgtgctg	gaatcacatc	agatgtaaaa	tcattccttc	300
tgtttactct	tttaattttc	atccttttgc	ggtagtgtca	attcaacttc	aaatatggtg	360
taggttttgc	tagattccat	atttttttct	tggatttttg	ctaattattt	ttagcaaaaa	420
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agaaacaagt	gtgacctggg	attttattta	acacaactgt	tgccaaagag	ttggctttgt	960
ttatttgggt	ttggcgggga	gaggagtggg	atttgatgct	ttctgtggac	aatgtaacct	1020
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aaaaaaaaaa	aaaaaaaaaa					1098

<210> 234
 <211> 797
 <212> DNA
 <213> Homo sapiens

<400> 234
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 ttgttcagct aattaagcag tacaactgag acaattgcc accccattgt catgtgtggt 180
 gccttccaag atagcccca gtgattctca cctcctgata ttcacacct tgtgttgtgt 240
 cctcccatgt cataccaagg ttggtctttg tgataaaatt cagggaagtg atggtgtgtg 300
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 tcctgaattc cctaccaaca gaaactatgt gagataatgt ttgttgtttt aactaagttt 660
 tcaagtggta atttgttata cagaatatgt aactaataaa gcatggctcc tttaggtcta 720
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaaaaaa aaaaaaa 797

<210> 235
 <211> 652
 <212> DNA
 <213> Homo sapiens

<400> 235
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 aattttttaga tgacgaagtc cataaataac tagagaattt ttgttatctg ttgttaagtt 180
 gaaatgtata atcatttatc actaaattgc acattgcctt tatttatttg tgctctgttt 240
 ttggtttaca gtgtaataat acctcattta aaaaataaaa accactactg ttacatttta 300
 ttaattttaa aagctagaaa attcatgtag ttactttttt tacatatata atctgttaat 360
 gaattattga tttttgtatc tgccacagta aattaaagca ttacacagta tttatcagta 420
 ttttttaaac atcctgtcct tttttaaaat ctttgcttag tcagtcatat ttttgtctgt 480
 atgattagaa gtttttacgt ccttcctttt ttgtacaaat ctgtattgta ttaatttctg 540
 gatgcaattt ttcaaatatt aaaattatac agtcagtcag gcttcagttt attttttgaa 600
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<210> 236
 <211> 1815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1115)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1119)
 <223> n equals a,t,g, or c

<400> 236
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 ttttagtgaa atattatttc acaaagaact atatcacgta cctttcctct gactgtttcc 180
 tggcatatat gcatgaatat ggccattatt gaactatcac ttcagtaaag aagttaaaca 240
 gtacttttct gaggtttttc agctacctct gggtcattct gtaatgtaaa tgttggtta 300
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T02T60 "23005660"

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cccttgtcct gttgtttctt ttgccccctt ggaacacatt ggtcagcagt tctaagagac 540
actgccacac tgatggccat tccctacttc atccttgctg agctaaattt tatatttttg 600
tgcataccttc tcccagatga cttaggtggt aagtccagat tagtcaaagc taatcatgga 660
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aaaaaaggg cggcc 1815

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<210> 237
<211> 1488
<212> DNA
<213> Homo sapiens

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<400> 237
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ttctggtggc tgcagtgggtg gggttgggtg ctgtcctgtc ctacgcctcc atccacaaga 180
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tacaaactga tgaagttaaa aatgtgcctt gtggaacaag tgggtggggtc atgatctata 360
ttgaccgaat agaagtgggt aatatgttgg ctcttatgac agtgttgat atcgtgagga 420
actatactgc agattatgac aagaccttaa tcttcaataa aatccaccat gagctgaacc 480
agttctgcag tgcccacaca cttcaggaag ttacattga attgtttgat caaatagatg 540
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<210> 238
<211> 721
<212> DNA

<213> Homo sapiens

<400> 238

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gggacaggaa	gaaacctctg	aagacactaa	gcctcagacc	atggaacggt	gacaaaagtt	480
tggccacttc	cctctcaaag	actaaccag	aagggaataa	gatgtgtctc	ctttccctgg	540
cttatttcat	cctggctctg	gggtatgggtg	ctagctatgg	taagggaag	ggacctttcc	600
gaaaaacatc	ttttggggaa	ataaaaaatgt	ggactgtgmr	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	720
a						721

<210> 239

<211> 1842

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1134)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1210)

<223> n equals a,t,g, or c

<400> 239

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cctagtgtct	ctagcccttt	ctatattaat	tcatttcatt	atttcagccc	tgtctcctcc	180
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<210> 240
 <211> 1427
 <212> DNA
 <213> Homo sapiens

<400> 240						
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<210> 241
 <211> 1768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1743)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1744)
 <223> n equals a,t,g, or c

<400> 241						
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tattggatgg	tgtagttttt	ctgcttccaa	aatattttatt	tctgcattag	ccatggaagg	480
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<210> 242

<211> 840

<212> DNA

<213> Homo sapiens

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<222> (805)

<223> n equals a,t,g, or c

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<221> SITE

<222> (836)

<223> n equals a,t,g, or c

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<211> 903

<212> DNA

<213> Homo sapiens

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<211> 976
<212> DNA
<213> Homo sapiens

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<211> 622
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<213> Homo sapiens

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ccaaaaaaaa aaaaaaaaa aa 622

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 <211> 1063
 <212> DNA
 <213> Homo sapiens

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 tctctatccc agcttcattg ttgtgttctt ttcttcacaa gtattttcag agctgccctt 180
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 <213> Homo sapiens

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 <211> 268
 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (2376)
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<210> 253

<211> 2495

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (913)

<223> n equals a,t,g, or c

<400> 253

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tccgttgtca	ttcttgccac	tgtattccat	ttgctaccga	gatataacat	taagggtggac	180
acatttycta	actgtattaa	ttaaaagtca	atggatacag	agagtggatt	tyctcccaag	240
tcccatccct	gctgaagacc	gcttgatga	actcccaac	ccactgtgcc	cctcccgcga	300
cactaccagt	agactttaga	accatagtta	actaagtctt	ttacctctga	gatacttaat	360
tctgggaaaa	ttggtgacaa	ttttcaactt	ctaaataggt	aactcgactg	caaaataatc	420
aaaactgata	acaatgaaac	tgcggctcct	aaacaaagcc	atgcatgccg	tgcatttgta	480
ttgaaatgtc	tccatgatat	gaagccaaat	attcaatgta	acatacttaa	tatccaaagg	540
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taccttcctg	tggaataata	tataatatata	tatttaatat	aaccatagat	agactagtag	660
aatttagatt	ataaatgtgt	gagtgcagat	tatcctgcta	ttgcacaagc	tagagggggg	720
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tggtgtttta	tactttttta	aactttcctg	tggtgtgaaat	attgtatact	tttgggtgatt	2160
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ctaccagaag	aatgctgagc	caactataaa	cactcaatth	tgtatgtttt	ccaaattgta	2340
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aaaaaaaaaa	aaaaaaaaag	gsggccgccc	aaggg			2495

<210> 254

<211> 947

<212> DNA

<213> Homo sapiens

<400> 254

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ttactagcta	gaagctctta	agttcacttg	tttatcaggg	catatacaga	agggtttgtt	180
aaaactcgat	gttaacttta	caactttctg	acctgggtgca	tgaattctca	agtactgtat	240
ttcactgtgt	tgggtgtgtc	gatggaaatt	tcgaggtggg	cccacaaaaa	tattttatgt	300
agtgtgcctt	caaagagaac	catttattht	tcttcactta	tcgtcccaca	aagtcacatt	360
tgggtgtgtg	cagccaagtc	gcatctgggt	tagttttact	cttgtcccaa	ttttaaaagag	420
aaatgggaat	gagtttgccc	tgggtgagacc	cataccattg	caatgattat	cttgagcact	480
taaagtcag	tggtggctgt	tagtgtattt	gatattctgc	ctgtctcctc	atgggttgaag	540
tatgtctgaa	gaatagcagc	ataatctctt	gggtgtttat	acttttttaa	actttctgt	600
gttgtaata	ttgtataact	ttgggtgattc	cagctatgta	acctctatgc	tctgtaaggt	660
gattatttgt	atatagcaac	atggcccaggt	gatattatat	agtttcccaa	tggagaggtt	720
attgagtaac	ctttgcatta	gtttaaacac	taccagaaga	atgctgagcc	aactataaac	780
actcaattht	gtatgttttc	caaattgtac	ttattactgc	ttttgatact	gtattacgtg	840
ccaatagtht	cccaatcaca	tagcaggcaa	gagatattth	gtactttttg	atccactgta	900
atatttaata	aaaaatgtta	ctatctgtta	aaaaaaaaaa	aaaaaaa		947

<210> 255

<211> 2062

<212> DNA

<213> Homo sapiens

<400> 255

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gaacagctct	attctatgta	cacagatgta	attaaaattg	taatcctaac	aaacaaaaga	180
aatgtagttc	agctttttcaa	tgtttcatgt	ttgctgtgct	tttctgaatt	ttatgttgca	240
ttcaaagact	gttgtcttgt	tcttgtgggt	tttggattct	tgtgggtgtg	gcttttagac	300
acagggtaga	attagagaca	atattggatg	tacaattcct	caggagacta	cagtagtata	360
ttctattcct	taccagtaat	aagggtcttc	ctaataataa	ttaagagatt	gaaactccaa	420
acaagtattc	attatgaaca	gatacacatc	aaaatcataa	taatattht	aaaacaagga	480
ataatthtct	taatggttta	ttatagaata	ccaatgtata	gcttagaaat	aaaactttga	540
atatttcaag	aatatagata	agtctaattt	ttaaatgctg	tatatatggc	tttactcaa	600
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taactctcag	cattacaaaa	gagtaagtat	ctcacaaaa	ggaaataaaa	ctaaaaacgta	1260
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agtaaaaaata	ataataataa	taataaaacc	atgtctatag	ctgtagatgg	gcttcacatc	1800
tgtaaagcaa	tcaattgtat	atTTTTgtga	tgtgtaccat	actgtgtgct	ccagcaaatg	1860
tccatttgtg	taaatgtatt	tattttatat	tgtatatatt	gttaaagtca	aaaaggagat	1920
atgattctgt	aactccaatc	agttcagatg	tgtaaactcaa	attattatgc	ctttcaggat	1980
gatggtagag	caatattaaa	caagcttcca	ctttaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2040
aaaaaaaaaa	aaaaaaaaaa	aa				2062

<210> 256

<211> 1716

<212> DNA

<213> Homo sapiens

<400> 256

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tatgtatcct	ctagatgtag	acaataatgt	cccatttcta	agtcttttcc	ttttgcttct	180
ccttaaattg	attgtacttc	caaatttgc	gttatgtttt	tttcttaata	ctgtgatcta	240
tctgatctgc	agacaagaac	cttgcctctg	ttgaagagca	tcaaggggag	attatgtaca	300
cattgaaact	gaagtgtggt	gttactgacg	gaatgtgcag	taactcctca	gatatctgtt	360
aaggcatttc	ccagatgtga	tgccagcctt	cttacctgta	ctgaaagatg	cttagcttag	420
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tacttttaaa	caaggaagga	atattagaaa	atcacacaag	gcctcacata	catgttattt	540
aaagaatgaa	ttgggacgga	tgtcttagac	ttcactttcc	taggcttttt	agcaaaacct	600
aaaggggtggt	atccatattt	tgcgtgaatt	atgggtgtaa	gaccttgccc	acttaggttt	660
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aagcttcata	atgctgtttt	tattcaacac	attaaccagc	tgtaaaacac	agacctttat	1560
caagagtagg	caaagatttt	caggattcat	atacagatag	actataaagt	catgtaattt	1620
gaaaagcagt	gtttcattat	gaaagagctc	tcaagttgct	tgtaaaagcta	atctaattaa	1680
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<210> 257

<211> 788

<212> DNA

<213> Homo sapiens

<400> 257

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tgttgtggtt	tttcagcata	gtgttgtagt	ttccattgct	agctgtcctg	ctgttttaaca	180
cagtgttgta	ttttttttct	aaatgtacat	aattagaaaa	gaaaataaca	ataggaagct	240
atgtgtatct	tctgtgtaaa	gcagtggctt	cactggaaaa	atgggtgtggc	tagcatttcc	300
ctttgagtca	tgatgacaga	tgggtgtgaaa	accatctaag	tttgcttttg	accatcacct	360
cccagtagca	atttgctttc	ataatccatt	tagcaatcca	ggcctctggt	gaaaagataa	420
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gtatcatcta	atacaatgat	ggttgagtga	aaatacagaa	gggtgtttga	gtattcagat	540
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gaagacagaa	actccaactg	gcaaaaaagc	aagcatcctaa	gaaaaaaaac	caccaaagtt	660
cttgaatttta	ctatattttaa	atgcattggg	taagttttatt	ttgctaaata	aagtgaactg	720
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aaaaaaaa						788

<210> 258
 <211> 1611
 <212> DNA
 <213> Homo sapiens

<400> 258						
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ttttatacaa	ttcattcatg	ttttggaggc	cataatgaag	acttcatcgc	tagtggcagg	660
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<210> 259
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 259						
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aattctaaaa	tgaagactac	agtgtcttat	ttgtgtgcgt	atgtggttaa	tgtgtttatg	360
catatgtatg	tgtatatggt	gtatgttgtt	atctacatgg	taaaatctgg	catcatcaac	420
aaaaaatcta	ttaagggatt	ctatctagat	tggcttagat	aaataagcat	tcataaaaaa	480
tatgtactaa	ttaaccacaa	tgctttttag	ttcatgtgac	ttaagtatat	ctttaataaa	540
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aaaaaaaaaa	aaaaaaaaaa	aaaaaa				626

<210> 260
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (297)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (489)
 <223> n equals a,t,g, or c

<400> 260
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 aaggagtctg gttaatatgt aatcttcaac tagttccatg gaggaaagtg atgttttatg 600
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 ggccgc 1146

<210> 261
 <211> 2967
 <212> DNA
 <213> Homo sapiens

<400> 261
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 gtctgcgccc gtgtcatcct cactcgggac gcagggaccg tttttaaatc acaggggctg 180
 gtgtcagcct gccctaggac ttcattgtcta tatatttccc cattcactgc cccgactatc 240
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<210> 262
 <211> 752
 <212> DNA
 <213> Homo sapiens

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<400> 262
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<210> 263
 <211> 640
 <212> DNA
 <213> Homo sapiens

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gtctcatcac attctagagc gcttggatgc ccatttgaa gaactaaaaa gagagagtga 360

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agagataaaa ttataaaaat gatacatcta aagcagtggg gaagaaagct gaaaaactga 540
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<210> 264
<211> 1733
<212> DNA
<213> Homo sapiens

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```

<220>
<221> SITE
<222> (1730)
<223> n equals a,t,g, or c

```

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<400> 264
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<210> 265
<211> 1733
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1730)
<223> n equals a,t,g, or c

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095003.09161

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<210> 266

<211> 1733

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1730)

<223> n equals a,t,g, or c

<400> 266

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<210> 267

<211> 1735

<212> DNA

<213> Homo sapiens

<400> 267

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<210> 268

<211> 1301

<212> DNA

<213> Homo sapiens

<400> 268

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<210> 269

<211> 443

<212> DNA

<213> Homo sapiens

<400> 269

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<211> 1190

<212> DNA

<213> Homo sapiens

<400> 270

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<211> 1204

<212> DNA

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FOIA b 7 - DRAFT

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<212> DNA

<213> Homo sapiens

<400> 272

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<211> 2836
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
<221> SITE
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<223> n equals a,t,g, or c

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<211> 2276

<212> DNA

<213> Homo sapiens

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<211> 1607
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 277

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<210> 278

<211> 1772

<212> DNA

<213> Homo sapiens

<400> 278

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<211> 2048

<212> DNA

<213> Homo sapiens

<400> 279

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<212> DNA

<213> Homo sapiens

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<211> 1396

<212> DNA

<213> Homo sapiens

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<211> 2945

<212> DNA

<213> Homo sapiens

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<210> 283

<211> 1667

<212> DNA

<213> Homo sapiens

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<210> 284

<211> 1724

<212> DNA

<213> Homo sapiens

<400> 284

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<210> 285

<211> 2249

<212> DNA

<213> Homo sapiens

<400> 285

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<213> Homo sapiens

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<211> 3839

<212> DNA

<213> Homo sapiens

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<211> 2596

<212> DNA

<213> Homo sapiens

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<211> 2288

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 294

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 aaaaaaaaaa aaaaaaaaaa aaaa 1224

<210> 295

<211> 2710

<212> DNA

<213> Homo sapiens

<400> 295

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 accctgaata gaaacaaaac ttttgaatgc tggattcaaa aaaaaaaaaa agttatctgg 180
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 tttgggtttg gaatggaaat atggatagca gcataaagta cttttatttt gacaaaattc 600
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atccaggcgc gtgtcatcta ccagatgccc tccaccgcca tttcttggtc tgtctatgag 2280
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ctccctgggc agaattgtagc tttctgctt cactgtggca gcctcctccc tggatcctta 2640
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aaaaaaaaaa 2710

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<210> 296
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (477)
 <223> n equals a,t,g, or c

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<400> 296
cggcacgagc ttcctcaaaa gtatataaaa tttgaaaaga cctagaagtg atctagtgga 60
atgaagacgc tgagatacca ttgaggttgg ggaaactact gggacgtgct tacaggataa 120
actgcaaaac aaaagcacaa gtttctaata atggaatgac atgccttatt ctgaaaactt 180
aacgtttgta gcgtacctta taattcataa gacatttaaa aatgggtattg aatcccaata 240
acctatgcgt agggttggat cttgtttgta tccctgtttt ttaatggaaa atctgaggcc 300
tgaagatggt aggcctatgta tatgcctgcc ccgccgttga gcctggctcc tgctgttgga 360
gaaactttcc cagtctgtag agagaggatg tggctcctggc aagcctggct cctgcctgat 420
tctgtatctt ctggtaacac acagccgtca tttaaaaaaa aaaagacaag gtctttnccc 480
tcggacaga 489

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<210> 297
 <211> 2073
 <212> DNA
 <213> Homo sapiens

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<400> 297
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tggggctgtc agaagagggc agaaggtggg atcaggccta gctggacctg aacctgtctt 180
gtgccagctg ggtaactttg aggcaagtca ttttaagttct ttctgcctgt tccccattc 240
aaagaatgga ccaaatatta cttacgttgt gaagatgaca aatatgtgtg taaaatccag 300
gcacacacga tgtgcttagg acacagcagt tatgatttat ttgtgtgttg tctttgtgga 360
gtggggggag gatttgcagc cttttaagga cttgggaatt tcaggctctg acagagccag 420
tctggaaggc ccatctggtg tggctgctct gagggactgg ggacattgctg cccgtgttta 480
cagagaccca tagtcagaca tccatgggcc aggcacagag gcaacacagc agtctgccc 540
gcagggcccc cagtggacag gcagaggcgc agataatata gtggctgtcc cagggtccac 600
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ctagtctgtt ctatttttat ctttttcata agatcagggc accgtgccct ctgggctcgc 720
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gtgagacgca tggggacagg tgtgtgtaca ccctggggaa tgtgtggtgg gttttcattt 840
atctgtgtcc atgtcgatca agagcacatg ctcatgctgc ctgtcttagt ctgttcagg 900
tgtgataaca aataacaaca atcggggtac ttagaacaac acacattcct ttttcacagt 960
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ctacctcaca gcagagatgg acaccacac caccatcttc cccgtgtctc accacctgca 1380
ccccaattac ggacacctat gcctctgtct tccctgcgtc tctcagcact ctacagcgag 1440

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tgacacacac accttcatct ttcttccatg cttcatgttg cagtggagag gctggggatt 1500
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acaaagtttc gtttagggat aaattgtaaa aaagaatata ggcttgggtg gtggctcatg 1980
cttttaattc ccatactcag cttgagtacc ggaaccaaga ctagtcgagg caacatagtg 2040
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```

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<210> 298
<211> 1442
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (126)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (148)
<223> n equals a,t,g, or c

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<400> 298
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ctgctncaca gtctcctgcg cgcgcattca acagaggtgg tctgtaccac ctggtggcat 180
cagctaggct ttggtgccct ccttccaact ccctgaaccc cctccaactg ttggggagac 240
aggaccagc ctgttacctt ccttgtgggt gagcttctcc ccccagact cgtgagtitt 300
gaccgcaggt cggacgccat gacgtaacct ttcttctcct tgtccaccat caacatggct 360
agaagaattt ctttcttttg gtcttcttgt tttatttgca tgtgcataat ggtcagaaaa 420
gtggagagaa tccagctctc catttccgtc taggaaaccc gcaaacacag cagagtgcgc 480
agagggaaaa agactcctag gaagccagct ggctcctgc tggacctgca cagccggttc 540
aaggtcaact gaccagggaa tgccaggatg tggcagtggg cacagtgaag aggatgcac 600
ccctcccacc gagttcccac gacaggcccc tctactggact ggacattctt catttcagca 660
acgtcctcag tgacgatgct tatcatcacc ccaaagctca agaaagtggg ttcccaacca 720
cagatggagg actgggctcc tctgtctcct tctagcgtt cctcctgcc ctgaactgga 780
gggaaacagc tccatgtgtg cattccacct ttgacagcca ccacagtaca tcttaccagg 840
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ccttccctc actgcagtct ccattcccagc cctcctcca cgggccctgg ctgggatgta 960
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aaccaccgc caggctgcag gctttcagag gccacactgg gccagcgtg gcctgcccc 1140
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tgagtgtcca gcccccaatg caaacagcaa cccaggtc tgaaactact ttttttctta 1380
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aa 1442

```

```

<210> 299
<211> 1436
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE

```

<222> (640)

<223> n equals a,t,g, or c

<400> 299

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cccagagagga	agggcattgct	caaattgttt	ctgtaaaaag	tctctggcgg	tgtttggctc	180
ccttctgctg	ccttcatgaa	acagttctcc	ttgagtatta	cggttggcaa	gcatgtgggt	240
gggggagatg	tcacacgcac	cgcctccagc	tgtacaagca	agccactgcg	aggattagac	300
gcttgttagt	tatgaactta	gggtgctggt	ctgtttcttt	gcctttcaaa	ggcacttcct	360
ggcagagagg	tacaatggtg	ccttgccagga	aaccctgtgc	ccacagcatc	tgctctgcag	420
cttggcagag	cgcagctggc	cctgagcatg	gcctactaat	tctctgggtc	agggtgtggc	480
gtggtgagat	ggatctcagc	caggtaagac	cctctaactc	ctgtwttctt	tctcctgcc	540
tagatacact	gatgattgga	gggtatgaca	ggaattcttg	cctgcctttg	ggctcgtgag	600
gaaacagaaa	cagcgtaatg	gcttttttga	gtgccaggan	caaaatcccc	agagttcatt	660
cttagaaaac	tatgaagctg	ttctttgaac	tccaactttt	tctcctatat	tcattcaggg	720
ctctttcctc	tacaaccccc	tcattcttgc	tggtgataga	tgccctcttc	ctactctcta	780
aatgtccaat	tttatcttcc	tttggaatgc	catcaaattc	ttcctccctt	tttctgtacc	840
ccacctccaa	aaataatccc	aacacccacc	tcgtcagakt	gtccatttat	ttcctcaggg	900
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ccttggatgg	ttagaaaatc	aaggtagttg	tccactgtag	aagattgttt	aaagccaagt	1020
ggttaagaat	attctatata	ccttcctttt	catatattat	ctcgttcata	cctgtgaagc	1080
agataatctc	accatctcaa	tgtacagaaa	aggaaactga	ggctcagaac	attttgagta	1140
gcctacttaa	atagtctagg	cagagattga	acccccacgt	ctctggcccc	aagaggtctt	1200
gataattccc	tcacaactgc	tgccataacag	cagataaaaat	atatttggat	tcttctcacc	1260
tttaagaaaa	cctagtaagt	taatctctaa	aaatcagcaa	tctgctcagg	ggatacaggg	1320
agaactagga	ctattgtccc	aaatgtgtag	tcataatttat	ctgcttacca	aatgaccatg	1380
tggtgaatcc	ctgaaaacca	tgggagaaat	acaaaaaaa	aaaaaaaaa	actcga	1436

<210> 300

<211> 728

<212> DNA

<213> Homo sapiens

<400> 300

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gtgcagaatc	ttggaattgt	ctgaacacag	tagaacgata	caatcctgaa	aataatacct	120
ggactttaat	tgcacccatg	aatgtggcta	ggcgaggagc	tggagtggct	gttcttaatg	180
gaaaactggt	tgtatgtggt	ggctttgatg	gttctcatgc	catcagttgt	gtggaaatgt	240
atgatccaac	tagaaatgaa	tgggaagatga	tgggaaatat	gacttcacca	aggagcaatg	300
ctgggattgc	aactgtaggg	aacaccattt	atgcagtggg	aggattcgat	ggcaatgaat	360
ttctgaatac	ggtggaagtc	tataaccttg	agtcaaatga	atggagcccc	tatacaaaga	420
ttttccagtt	ttaacaaatt	taagaccctc	tcaaactaac	aggcttagtg	atgtaattat	480
ggttagtaga	ggtacacttg	tgaataaaga	gggtgggtgg	gtatagatgt	tgctaacagc	540
aacacaaagc	ttttgcatat	tgcatactat	taaacatgct	gtacatactt	tttgggttta	600
tttggaaagg	aatgcaaaga	tgaaggtctg	ttttgtgtac	ttttaagact	ttgggtattt	660
tacttttttg	aaaagaataa	accaagaatt	gattgggcac	atcaaaaaa	aaaaaaaaa	720
aaaaaaaa						728

<210> 301

<211> 915

<212> DNA

<213> Homo sapiens

<400> 301

ggcagcagtg	tacacatttt	atttcctttt	catgtcttgt	tgcactagct	agaactttca	60
gtattgaaag	tagtaaaaga	agccatgctt	gccttgggtc	tttgtcttag	tgggaaagct	120
tccagtttct	caccaacatg	atgtagcttg	tagtttcttt	gtagatgttc	tttaagcagt	180
tgaggaagtt	cctctttatt	ttcagtcctt	ggagagtttt	tattttttatc	ccatacttca	240
tttcaaatg	ctgagagggt	tctttgttgt	tttgttttgt	ttgatcatga	atgggtgttg	300
gattttgtca	catgctcggt	cagcatctat	tggtagatgc	atgtgatatt	tctttagtct	360

gttgatgcga tggattgcat taattgattt ttcaaatatt gagtctgcct tggttgtggg 420
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 tctttattta tgacagatac tttaatatcc ataggatttg cagtgatgcc tgctctttca 540
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 ctccacctcc caggttccag cgattctcct gcctcagcct cccgagtagc tgggactaca 840
 agcgcccacc accacgcccg gctaattttt gtattttcag tagagacggg gtttcaccat 900
 attggcctgg atggt 915

<210> 302

<211> 1156

<212> DNA

<213> Homo sapiens

<400> 302

gaattcgcca cgagtgcggg ccaagcccat ggggccacct cttaattcca gcttccttgc 60
 ctactatgac agggaaagaa acatggcaac atgcgcacag ctcttaaggc ttgtrctgga 120
 ggcggaacac atcgccccctg cagcctggca ctggccatgg gacatgggag gtagggggag 180
 gcgtgttcca gcctatgttg gccgggtgggc aggtgctcag actcagcaag ctcccttggg 240
 tcattcatca cccctccacc cattcatcct caaacacctg cagagggctt cctctgccag 300
 gctgtcaggg gccaaaggga cagaaatgag aactgacagt ccaactggggg agacgggtctt 360
 cgcattggtct tgccctcagt gtaaggcaca agagtgggtg agggggggcct aaccaggccc 420
 ccakggtaaa tacsgggttg ggggctgtct gggggaatgg ggaagaagag cattctgggc 480
 tgggggctcc acaggctcaa cacagctgga gtakarccaca acagtgaatc acgagaaatg 540
 aggctggaaa ggccagtggg aaccatgggtc ctggaggtgg gcattgggtg gggakctktg 600
 cttcaagctg agggcaggat tttcagcaca gatgactgtg ttctgaaaga tccctgtggg 660
 aagaktgagg agaggggtga gcagcagcca agactggagg caggaggacc aagcagcggg 720
 ttgtggccac gtttcaggte tggagtcacc caggagagat tctgatcata tgggtctatg 780
 gtgtgacgtg ggaggtggaa ggttccagga caactcccag gctcctcaaa ataacaactt 840
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 ttttagtaga gatgggggtt caccgtgtta gccaggatgg tctcaatctc ctgacctgtt 1080
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 cccaaaatcg gcacga 1156

<210> 303

<211> 636

<212> DNA

<213> Homo sapiens

<400> 303

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 tgcagacgcc tggccttttg cctgggggtt cccctctgct gaggaatctg tggctgctca 180
 gctttaaggg tgcaggaggg tggccacatt cctcaggccc cagccctggc ctgaggcatg 240
 aggcaacaag gaaagcagggt ttaccttcag ggcaatcctt gggaaaagaa taatttttagg 300
 gacaactaga aggctccatg gtctctcaaa tatctctcct aaggcctgga tgctgcctaa 360
 aactcatttc agggtagcca caccactcat cctgctagga cagtaagaaa gctcaaatac 420
 gccaataccc aggaaagggt acacagaatg tgagtatagt tcaggcaaac agcataaaat 480
 gatattagat cttaagagct gtgacactag agacttttct ctttttaaaa atttttttat 540
 ttccataggt ttttggggaa cagggtgtgt ttgtggtgtt tggttacatg agtaggttct 600
 ttagtgggtga tttgtgagac tgtggtgccc ccatca 636

<210> 304

<211> 1045

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (607)
 <223> n equals a,t,g, or c

<400> 304
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 gagctgctgc cgtgtgaggg cactcagccc ggtgagaaca gggagggccc acgagaggggt 120
 cccaagaagg cagggccctg atgcagggaa acagtcagag atggagagac aggaaagaca 180
 tggaccgggg taagcgccac tgcctgccc aagtgtgagt cctgctgcct tggtttacct 240
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 aggytcaagc ccaggccaca tgaggcctgt ccaccccggt ctcccatggc acagaccgca 360
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<210> 305
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 <212> DNA
 <213> Homo sapiens

<400> 305
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<210> 306
 <211> 1002
 <212> DNA
 <213> Homo sapiens

<400> 306

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<210> 307

<211> 1103

<212> DNA

<213> Homo sapiens

<400> 307

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<210> 308

<211> 1029

<212> DNA

<213> Homo sapiens

<400> 308

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<210> 309

<211> 585

<212> DNA

<213> Homo sapiens

<400> 309

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 tctcgttttt caaactcaga ttttaagcttt ggtgagttag attctttgaa actgcccctg 180
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<210> 310

<211> 541

<212> DNA

<213> Homo sapiens

<400> 310

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<210> 311

<211> 1195

<212> DNA

<213> Homo sapiens

<400> 311

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<210> 312

<211> 1047

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> n equals a,t,g, or c

<400> 312						
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<210> 313

<211> 1246

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (746)

<223> n equals a,t,g, or c

<400> 313						
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<210> 314

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 314

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<210> 315

<211> 1530

<212> DNA

<213> Homo sapiens

<400> 315

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gggacagaac	caggtctcaa	tccaccagcc	ttgggaaagg	gacatccggg	gcagggcgcg	1500
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<210> 316

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> n equals a,t,g, or c

<400> 316

gaaagcaggc	tcatttgggg	actgattcaa	gcagggttct	gaagaaagag	ctagcccact	60
gcgcagtggc	ccacctggag	aggtagcagt	ctcctttcct	gatgccagat	ccaagcagag	120
gctaattgctg	gagaccanga	tgcccgtggg	agaatccctg	tagctagagg	gaattatctg	180
gaagtaatttt	atccctgtac	cgccttgttg	ggttgggtgt	ttcttgccca	ctgcatgagt	240
tggtattact	ctaagagcga	cagatacatg	ttttcacatg	ctttccatgt	actagacact	300
ttctaggcat	cagttctcaa	catgacaaag	agatcccttct	cagggaaatc	agatccctct	360
tccactgctg	aaaaacccca	cagtggctcc	catttcactt	ggcataaaca	ccagtggcct	420
tgcagtggct	gccaaagtca	aacctctgc	ctttctgctt	cctgctcacc	cttttccttc	480
atcttctcay	cttttctgtc	ttctccatag	ctcacactcc	cctagccaca	ctgttctcct	540
tcctacaatg	cagcacactg	ggcatgcttc	taccccaggs	cccttgacc	agccgmacca	600
tctggttgac	atgcttctcc	cacagattct	tgcttggtta	actccgttgt	gctctggttt	660
ttgtcaagca	gtcaccttct	ccatgaggcc	cacctgggcc	accatattta	acactgcagt	720
ctacactgcc	tctcctccca	ccaccagca	ctcccaggcc	ctcactctgc	ttcctttatt	780
ttttccattt	cgccagccat	cttccaacac	atgggaccac	atccttattt	attgagtgtc	840
ttgttgacag	tctctaagac	tgtgcctgcc	ttgttcaactg	atgtatctct	agcgctaca	900
acagggtcgg	gcacagagta	ggagctcagt	aaatacttgt	ggaatgaatg	aatgagctca	960
ttttacctca	atcacaactc	caggggtaga	catggtgatt	tcaactccatt	ttatggttga	1020
agctcagaag	cttacggaac	ttgcccaagg	tcacatagtt	agtaagtggc	tgagtgcgc	1080
atcaacccaa	agcctgtctt	actctggggg	cctggatctt	aaccaaaaca	ctaagctctt	1140
ccctcctcca	ggtgagcccc	tggtcctgat	gcctcagag			1178

<210> 317

<211> 825

<212> DNA

<213> Homo sapiens

<400> 317

tgcaggaatt	cggcacgagc	cagagcagcc	ctcaaagcct	gggctgttga	gagtgcacat	60
cctggcctgc	ggtgacagcc	gtcagatggt	gaggggcccc	aggcgactgc	cccagcagca	120
gggcctggga	gctgcacagg	ggagaactcg	ataaggagca	tcatgagcat	agtgggtcca	180
ttgacaacat	gcagtcccca	cgggtggtgcc	taatgacaaa	atgacatcat	gccacctgca	240
aaaaaagtaa	aaatgatcag	aggcgagctt	gtcagagaag	ctttgaacta	ggtgactgca	300
tgaacatct	cagaggcgga	agagtgcctc	cccctccccg	ggactcccac	ctggtgccct	360
gagctcatca	tcccttctct	tgtagcatat	gctgtcaata	cccagggcct	tttcgaaacg	420
gcaatgggtc	cgaaggcctc	gggaccacct	ttcacacctc	ccctttatgc	agtgtccata	480
cctccttggt	gctcagctgc	tggtcagctc	catatgccct	gtgggtccctg	ccctcccaag	540
gcctgtgaac	aaatgcttag	tcccagatta	gagctctacgt	caatctggga	tgtgagctga	600
gtggcacctg	tcgtgaacca	ggccagagtc	tacgcaatct	ggggtgtgag	ctgagtggca	660
cctgtcgtga	acgtgcatgc	acatgggcat	tttgtcagtc	tgcaccgggtg	aataaatgtc	720
gctgcatttg	ccagctgagt	gtcaccaggt	tccaggtccc	attacacatc	aggaattgtg	780
tccgactctt	ctggatccgc	tgattggacc	tgagggatcc	ctgac		825

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<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (889)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (900)
<223> n equals a,t,g, or c

<400> 320						60
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gaaccggaag	gagcgcccaa	atagccaaac	cgcntcttcc	ccgcgcgttg	ccgattcatt	180
aatgcagctg	gcacgacagg	tttcccgaact	ggaaagcggg	cagtgcgcgc	aacgcaatta	240
atgtgagtta	gctcactcat	taggcacccc	aggctttaca	ctttatgctt	ccggctcgta	300
tggtgtgtgg	aattgtgagc	ggataacaat	ttcacacagg	aaacagctat	gaccatgatt	360
acgccaagct	cgaaattaac	cctcactaaa	gggaacaaaa	gctggagctc	caccgcggtg	420
gcggccgctc	tagaactagt	ggatcccccg	ggctgcagga	attcggcacg	agacgacacg	480
ataaataaaa	gcagatgttc	aaatgggaga	cacctgaaga	gacaagttag	tccaatggat	540
aggagcgaag	gaaactgccc	ctttgtaaag	attgaggaaa	agagtgtaaa	attatgctct	600
cattacactc	atgctgttac	taaggcctac	agagagaagg	tattgagagg	tgacaacatg	660
ctggcagccc	tcgcttgctc	ttggcgccctc	ctcagcctcg	gtgcccactc	tggccgtgct	720
tgaggagccc	ttcagcccg	cgcttccactg	tgggagtcctc	tctctgggct	ggccgaggtc	780
aaagccagct	ccctctgctt	gcagggaggt	gtggagggag	aggtgcgggc	aggaactggg	840
gctgcgcg	gcacttggtg	gccagctcga	rgggggggccc	ggtacccaat	tcgccctata	900
gtgagtagta	ttacaattca	ctggccgctcg	ttttacaacg	tcgtgactng	gaaaaccngn	960
aaa						

<210> 321
<211> 909
<212> DNA
<213> Homo sapiens

<400> 321
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ttgtattgtt ttccataatg gctacaccaa tttacattct cattaacagt gcaaaaggg 120
ttttgtttct ctataccttg ccaacttggt atctattgac tttttgataa taggctttgc 180
atttgctga tgattaatga tattgaacac attttcatat acctgttggc cactttttat 240
gtcttctttt gggaaatgtt tgtttattct ggtacttggc ctatttttta attgggtttt 300
tgtttttttt tttgctattg attttcttaa atttttggat agtaacctgt tatcagatat 360
gtgggtcaca aatattttct cctactctgt agattgcctt ttcattttat cgattatttc 420
ctttgctctg tagaagcttt tcagtgtgat gtagtcctac ttgtttgttc ttgctttcat 480
tgctgtcct atcagaaaaa tcattgccaa ggccaatatg tatcagcttc tttcctatgt 540
tttctcctag gtgttttaca gattcaagtc ttatgtttag gtctttaatc tgttttgagt 600
tgacttttgc tcttggtgta agataagggg ccaatttcat ccttttgcac gtggatatcc 660
agttttccca acactagata tgaaagagac taaactttac ccattgtgtc ttcttggtgc 720
ctttgtctaa gacacttcta tgacagttgt ttctcagatg ggtacttgtt tacgtgattc 780
acaacagtga atggaaatgt ttaccactca tcaactccac taacacacct tgttaagaca 840
catgtaaaaa ctgttctaata agtaccagtt gcaactataa ctgaaaatag tattatttta 900
ggaactagt 909

<210> 322
<211> 901
<212> DNA
<213> Homo sapiens

<400> 322
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cctgggcagc agagcgagac tccggctcaa aataataata ataaattaga gatgggggtct 120
cactattttg cccaggtctg ttttgaactc ctgagctcaa gggatcctct cgcctcagcc 180
tcccaaagca ctgggatcac aggtgtgagg tgccatgcct ggcccacacc agctgtgttt 240
aatcaatgct gggcagccct gcagcttggg gacatcagtg ggccactggc tactgggtgt 300
tttttccatc ctgccctgtt ccctgctggc accaggggaa aaaggcccat acaggagtct 360
gttccaggtc accagatcct ggggtggccc gtaaggattt gaaggggaca ggaggcgccc 420
ctttgccgag gcccttcaact gtgtcaggca cattgctggc tgccgtgggt gcacaatctt 480
agggaaacct cctgcctcct ccgccttgct gcttccttgc aaagaaaatt tcccactgca 540
gagggcagct taattgctca gcagtggctc ttcagaatct cacagatggg ccaggcgtgg 600
tggctcatgc ctgtaatccc agcacttttg gaggccgagg cgggcagatc atgaggtcag 660
gacatcgaga ccacctcctggc taacatgggtg aaaccccatg tctactaaaa atacaaaaaa 720
attagccagg cgtggtggtg ggtgcctgta gttccagcta ctctggaggc tgaggcagga 780
ggatcacttg agcccaggag gctgaggttg cagtgaactg tgactgcacc actgcactcc 840
agcctgggca acagagcaag accctatctc aaaaaaaaaa aaaaaaaaaa aaaaactcga 900
g 901

<210> 323
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (11)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (756)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (764)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (771)
 <223> n equals a,t,g, or c

<400> 323
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 gtggcgcccg ctctagaact agtggatccc cngggctgca ggaattcggc acgagatttt 120
 tttcttgaaa cacaaaaatg catgttatgc caggaagga agaggagaaa tttctcctcc 180
 tcatcaccat catgactacc tcctctcttg cggttggctg ctccggatgg ttgaggctcc 240
 tgctgcattt tttagatccg ggcaattata gccaccaaga tgatatggac caaagtacag 300
 tgttcaaaca tgactgatag ataaatgacc atttatcatc atcgttttgt taaaaaacct 360
 tttttcttat aaagttaaca aaccaaggct gttgatccct gaattagaaa gttgatttgc 420
 ttgattattt tccaaagtgt gaggcgggca ataagaaggg aggagccttt agtgcttttg 480
 tgtaagttgc tgatcctcca gtttggcaac atcttgggag catcttctgg cctagtgtatg 540
 tggcattttg tgaatctaag tatcagccca tggctctgat gctggctgct tatggctcaa 600
 aggggaagag ggtcagcccc ctccccctgg atgtttcagt ctggcccagt ggtggacaca 660
 gagccctgga cagcttcccc aggagcaact gtctcttccg gtgaagggtga ctcttcctca 720
 gcttgtcctc gaggggggga mcgrtaccga attcgnccca tagngagcga ntacaattca 780
 cttggccgcg 790

<210> 324
 <211> 1959
 <212> DNA
 <213> Homo sapiens

<400> 324
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 aatataagtt taacttggta cttactgaaa atgccttttt acccctgtta acggtatttt 120
 gagcttttga aaagaacttg gttgacactg cttttattgt ggataaagga gagatgggtca 180
 gtaattaatg gcttgaagta ttattggagt ggtttatcat ttctgaaact aatcgtgtca 240
 gaattgactt tgaaaagcat tgctttttac agaaatatat taacttttta ggagtaattt 300
 ctagtttggg ttgtaatatg aaataattta aaagggttcc gctcatatat aggaaaatcg 360
 catatggtcc tagtattaaa ttcttattgc ttactgattt ttttgagtta agagttgtta 420
 tatgctagaa tatgaggatg tgaatataaa taagagaaga aaaaagaata aagtagattg 480
 agtctccaat tttatgttaag cttcagaaga actggtttgt ttacatgcaa gcttatagtt 540
 gaaatatttt tcaggaatta catgaatgac agtcttcgaa ccaatgtgtt tgttcgattt 600
 caaccagaga ctatagcatg tgcttgcac taccttgcag ctagagcact tcagattccg 660
 ttgccaaact gtccccattg gtttcttctt tttggtacta cagaagagga aatccaggaa 720
 atctgcataa aacacttagg ctttatacca gaaaaagcc aaactatgaa ttactggaaa 780
 aagaagtaga aaaaagaaaa gtagccttac aagaagccaa attaaaagca aagggtattga 840

atccggatgg aactccagcc ctttcaaccc tgggtggatt ttctccagcc tcaagccatc 900
 atcaccaaga gaagtaaaag ctgaagagaa atcaccaatc tccattaatg tgaagacagt 960
 caaaaaagaa cctgaggata gacaacagggc ttcaaaagcc cttacaatgg tgtaagaaaa 1020
 gacagcaaga gaagtagaaa tagcagaagt gcaagtcgat cgagggtcaag aacacgatca 1080
 cgttctagat cacatactcc aagaagacac tattaataat aggcggagtc gatctggaac 1140
 atacagtcga gatcaagaag cagggtcccg agtcacagtg gaaagccctg aagacatata 1200
 atcatggtct cttaccttaa ggccaagcta ccgagatgat ttaaaagtcc aacgacatgg 1260
 tcataaagga aaaaattcgt ctogatctca gagcaagttc gggatcactc agatgcagcc 1320
 aagaaccagg catgaaaggg gcatcatagg gacaggcgtg aacgatctcg ctcccttgag 1380
 aggtcccata aaagcaagca ccatggtggc agtcgctcag gacatggcag gcacaggcgc 1440
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 tatggactca atcaaaacat taaacgcaaa ctgattagga tttgatttct tgaaaccctc 1560
 taggtctcta gaacactgag gacagtttct tttgaaaaga actatgttaa tttttttgca 1620
 cattaaaaatg ccctagcagt atctaattaa aaacatggt cagggttcaat tgtactttat 1680
 tatagttgtg tattgtttat tgctataaga actggagcgt gaattctgta aaaatgtatc 1740
 ttatttttat acagataaaa ttgcagacac tgttctatct aagtggttat ttgtttaaat 1800
 gatggtgaat actttcttaa cactggtttg tctgcatgtg taaagatttt tacaaggaaa 1860
 taaaatacaa atcttgtttt ttctaaactg cttcaaatac cttattttaa taaattatta 1920
 aaaaggaaaa ttttaatatg aaaaaaaaaa aaaaaaaaaa 1959

<210> 325

<211> 922

<212> DNA

<213> Homo sapiens

<400> 325

tgcctttcag gctcttagaa gccatagatt tggacaagcc cagcaagatg ggtgtccttc 60
 caggcctctt cccctttcct ccactctctg caacagttct tgggggttgg caattgtttg 120
 gatttttttt ctttctgcag ttgtgtgtat gtgtgtttgt gtgaagaaaa acagactctg 180
 tccaggtaga aatgggtgagg agggggaaga gaattacatt tccagggtca gaaacttggc 240
 aacagttttc cttagagtgac tcagacacac cacagtaaca actctcgtct caattttatt 300
 ttaatttgag aaataaagat ttcttccaag ccacatgagg actctggcac ccacccacaa 360
 agcaagacct gtattttataa gccgagggct caggggagct aactgcggga ccogtcaggg 420
 ccccgtagac catccccgct cccacccccc cctccaccgc tgggcccacat agtgtgtgtt 480
 ggggggatgc ttggcagctg ggggtgagga gacaacaaac ctcggggaact ggagccagag 540
 ctgcggcctg actgacgcct tttgatgctc acgggaaatt tctgcccagg atctcagccc 600
 caggctgggt gtttctacaa atctctctca aatgtattat tttggtgaca aaaatgaagg 660
 agctttgtaa atttttttta aattatgaat catatcaagt agttgtttac atttcttgaa 720
 aaaataggaa ctcgggcagc agaatcagat tggcagaatc ttagactac acaggcaata 780
 atcaagtcctg ctgttttggc ctttcttagt agaagtgggt gtagtgttta gatatctgtt 840
 tgggtcttgc tcttgtattg catttttttc aataaacaac aacaaaaaga aaaaaaaaaa 900
 aaaaaaaaaa aaaaaaaaaa aa 922

<210> 326

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (883)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (912)

<223> n equals a,t,g, or c

<400> 326

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 gacagatgca ctctggagat ggggctgagg ctaggtgtgc acctcccctg ccagccatca 120

gcagcctgcc cacgtctgtc gcgttatgag ttgttgatct taaatttctg caaatgtttc 180
 ttgttacaga gtatggtggt tgcraaaact tgcggaagct ggagatcaca ggcgtgtctt 240
 gtcgggacgt ctatgcgaag cgtattaaac cctcgcgtga agtcgggacg ttttgtgaaa 300
 attctccctg attatgagca catggcgtag agagacgttt acacctgcct gcttcaccga 360
 tatagacaca ttttgggatt gtggcagcca gatatcgggc catacggagg actgctgaac 420
 gtggtggtgg acggcctggt catcatcgta atgaggcgtg cgccgccaat atgcaactgta 480
 cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagatgc 540
 aaagagggtg gatcaagttt aaatgactgt gctgcccctt tcacatcaaa gaactactga 600
 caacgaaggc cgcgcctgcc tttcccatct atctatctgg ctggcaggga aggaaagaac 660
 ttgcatgttg gtgaaggaag aagtggggtg gaagaagtgg ggtgggacga cagtgaatc 720
 tagagtaaaa ccaagctggc ccaagggtgc ctgcaggctg taatgcagtt taatcagagt 780
 gccatttttt tttttgttca aatgatttta attattggaa tgcacaattt ttttaatatg 840
 caaataaaaa gtttaaaaaa ttaaaaaaaa aaaaaaaaaa aanccccggg gggggccccg 900
 gwaccaattt cnccccacaa gggagcc 927

<210> 327

<211> 929

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (904)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (906)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (914)

<223> n equals a,t,g, or c

<400> 327

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 gacagatgca ctctggagat ggggctgagg ctagggtgtc acctccccctg ccagccatca 120
 gcagcctgcc cacgtctgtc gcgttatgag ttgttgatct taaatttctg caaatgtttc 180
 ttgttacaga gtatggtggt tgcgaaaact tgcggaagct ggagatcaca ggcgtgtctt 240
 gtcgggacgt ctatgcgaag cgtattaaac cctcgcgtga agtcgggacg ttttgtgaaa 300
 attctccctg attatgagca catggcgtag agagacgttt acacctgcct gcttcaccga 360
 tatagacaca ttttgggatt gtggcagcca gatatcgggc catacggagg actgctgaac 420
 gtggtggtgg acggcctggt catcatcggg trratgaggc gtgcgccgcc aatatgcaact 480
 gtacattcca caagcattgc cttcttattt tacttctttt agctgtttta ctttgaaga 540
 tgcaaaaggg ttggatcaag tttaaatgac tgtgctgccc ctttcacatc aaagaactac 600
 tgacaacgaa ggccgcgcct gcctttccca tctatctatc tggctggcag ggaaggaaag 660
 aacttgcag ttggtgaagg aagaagtggg gtggaagaag tggggtggga cgacagtga 720
 atctagagta aaaccaagct ggcccaaggt gtcctgcagg ctgtaatgca gtttaatcag 780
 agtgccattt ttttttttgt tcaaattgatt ttaattattg gaatgcacaa tttttttaat 840
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 cggnanccaa ttcnccccaa aaggagcc 929

<210> 328

<211> 1298

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1291)

<223> n equals a,t,g, or c

<400> 328

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tgggaggctg	ctgagcgtga	gtggcggtgt	ctggcaggag	ctgcgtggca	gggagggcgt	180
ccatggctgc	agccaacaag	ggcaacaagc	ccagagtcg	gagtatccgc	tttgcgncag	240
gccacgatgc	agaaggatcc	cacagccacg	tccactttga	tgagaagctg	catgactcgg	300
tggtcattgt	cacccaggag	agtgcacgca	gctttctggt	caaggttggc	ttcctgaaga	360
tcctgcacag	gtatgagatt	accttcactc	tgccccagct	gcacaggctg	agcaaggatg	420
tccgcgaggc	acctgtcccc	agcctgcacc	tcaagctcct	cagcgtgggt	cccgtccctg	480
aaggttatag	tgtcaagtgt	gagtactcgg	cgcacaaaga	gggcgtcctc	aaagaggaga	540
tactgctagc	ctgcgaaggt	ggcactggca	cctgtgtgcg	cgtgacgggt	caggccccgc	600
tcattggaccg	gcaccacggc	acgcccattg	tgtctggtgg	tgtcaagtgt	gtggggcgccg	660
agctggaata	cgactcagag	cacagcgact	ggcaccggct	tgactgaggc	ccgaggcccc	720
gcctgccccg	ggccccctag	ccttaaacc	cgccttgctc	ccccgacatg	ctgcgtgatg	780
gtgtggcttc	ctgcgccctc	tctgggggtg	gtgtgggggt	ggagtggcct	tgccacgcc	840
tctcacctct	gccttcattt	gtgctgccac	cctgccccct	cctcgtcctc	ctctccact	900
tcctcctctc	tgtgtgcttc	agtctcctgc	cggagaagaa	gggttgagcc	cgaaaggagg	960
ctgtctgagg	aaggagagg	gagggcctgg	ggtgggtccc	ccactcccc	ccccaaagcca	1020
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catgagtagg	agggaggtgc	agtccccagc	ccccacccct	caggtctgtg	ttacttggtt	1200
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aaaaaaaaaa	aaaaaaaaact	tggggggggg	nccccgta			1298

<210> 329

<211> 900

<212> DNA

<213> Homo sapiens

<400> 329

ggcagcagct	catcttaatg	aattaagtct	gggaatataa	ttatgtcttg	gaatataata	60
gagaagactc	tatttctctg	gttctgggtg	agtatgaact	tttgggggat	actaacttac	120
tataactca	ctaggttaat	ctatgctaaa	tacccaacag	gaaggcagct	gtagggaaaa	180
gcaagagtat	gaaacctgga	aaaacaattg	ccagactctg	ctgcttgtgg	gtatgtggcc	240
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gatgccact	ttgtggaatt	cttgtaaaga	tgaaaagatt	ccaaatatgt	aaagtgcata	360
gaacaatccc	cagcaaaaag	tggaaacatg	tagtgataat	tgctgtcata	gtcgggtcttc	420
ttgcttagta	ggcctgagat	aaaactttct	cctatttcat	ccctcctcct	ccctcttctc	480
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caggtggctg	tgggtacatg	ggatccctgg	aatgttaatt	aattttcata	tttcccttta	720
aggtacttct	gtggctcaaa	caatgaattt	ctgagttagg	tcccaaagtg	gcatttttgt	780
ttgccaacac	cctcatagga	aactgtatta	gaagctttct	tgtaatat	aagagccttt	840
aaaagagcga	gactccgtct	ccaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	900

<210> 330

<211> 604

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (152)

<223> n equals a,t,g, or c

<400> 330

ggctgcagga	ttcggcacga	gaatcatcag	agatgaaact	gtttgagaga	ctcatgtgac	60
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tatggcccag	ttgatatcaa	atgtaaaatg	tnaatgcatg	taaatgcaca	cttcatttta	180
tgtattat	agtaatttgc	agtgggtatgt	gtttaatatt	tttgctacct	acacattagg	240
caaaaaaag	atgtaaataa	tttgggagaa	aaagaggaag	aacagtgtaa	aataaaaactt	300
tctataagta	ctccattttca	atgtgttcaa	catcatccta	aaaggcaaga	ttttcccacg	360
caggtgacaa	ggtggtttat	gtactattta	agggcggaag	gtgctgccc	gttcaataag	420
catgtttttt	gccaggtagg	aaatatgttc	catatcttta	cttatcattg	catttcagat	480
gggaactaga	aaaactggag	agaaaaatgt	aatgaaactg	ctgctgtaaa	ttattccttt	540
tagcatgtat	tcacttgcta	aatacacatt	tcttcaaaat	aaaaaaaaa	aaaaaaaaact	600
cgta						604

<210> 331

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 331

ggcacgagcc	ttgatagctt	ttctagtacc	atgtggattt	ctagagaagg	gaatattccc	60
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cttcccgccta	tgttttagggc	cagtaagagg	tctcttaagg	acagtcagtg	tgattgaagg	180
gttatacagt	tttcagcttt	gaacagtatt	ggatcaaaat	tgattttgct	tttaatatgt	240
acatctatta	ttgctcagtg	atggatatac	tgctgttggtg	ggtatatgtt	agcagatact	300
gttattttctt	ctttttatat	gtttaaagta	tttcataatt	ttaataaaat	agaaaattaa	360
ctttgtcttg	atttaagttg	gtgaataata	acaaatat	gggttataat	tycccttttag	420
tattaagtta	gctgtagaaa	tggtgttgta	tctgacctag	taaccattt	gactttttta	480
agatgaatta	ctaaattttt	ttaatgat	gaaaaaatgt	aatttgctcc	ctttacctct	540
tatcaatata	tttatgatac	cataggtacc	tgcaagggtg	ggagttacag	tccgagacag	600
tctaaagaaa	gcactgatga	tgagaggtct	aatcccagag	tgctgtgctg	tttacagaat	660
tcaggatggg	tatgggtttgt	atgtgrecgtg	aaattttgtt	taaaaagaaa	atcacacatt	720
aaactttgaa	gttttcttag	gatctttacc	aaaacctagg	gaattgaaag	tgtacttttag	780
gaaaaagtat	taaaataata	ctaagtttag	ctgaagaat	actgtaggcc	atatgaggag	840
ttaaataatt	gtatatgact	gtagggtttg	ttactttgat	caaattgattt	tatttggaat	900
ttgagattct	tacaattttt	gaaccattca	gagtggtgatt	tatttgata	atagactctt	960
acccccctcc	cattttta	acaaactcat	agtttcacaa	aaggtatatc	aaaattaaca	1020
ttttatattg	acctactttt	ctttcagaaa	gtgtctaaca	ttgttccaag	accctcacat	1080
tttgaatcct	ctttaaaaaa	aaaaaaaaaag	ggcggccgcg			1119

<210> 332

<211> 927

<212> DNA

<213> Homo sapiens

<400> 332

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aggacataga	atctttacag	gttcagatga	ctgttttgta	aagatttggg	caacacataa	180
tggccgcttg	ttatctacat	taagaggtca	ttctgcagaa	atttcagata	tggcagtaaa	240
ctatgagaat	acaatgattg	ctgcggggag	ctgtgattaa	aattattaga	gtgtggtgct	300
tgagaaactg	tgccccagtt	gctgtgctcc	aaggacacac	aggatcaatt	acatctttac	360
aggtaaactt	gtagcttagt	gggcacattc	cctatatgta	ttttcacctt	tttctttaa	420
acagtttctt	tgggaattga	gaaatagtaa	gatgtgtatt	agttatgttt	taagtaagag	480
aagtgataat	cattcataca	aatcatatac	atcatggaag	gctgatgaaa	tgaagatcta	540
atgcatat	acattgaaggc	ttattgatat	tttgggggta	tgggtgaact	ggatgagtgt	600
caattagaaa	ctggtgatag	attaattatt	tttcaacttt	aaaacttgtg	gatttttgcta	660
agttgatttt	tttttttttt	ttgagactga	gtcttgttct	gttgcccagg	ctggagtgc	720
gtggtgtgat	ctcagctcgc	tgcaacctct	gcctcctggg	ttcaagcgat	tcttgtgcct	780
cagcctcccc	agtagtctcg	gtactcctga	ggttgaggga	ggattgcttg	agccaggagg	840

ttgaggctgc agtgagccgt tatcgcacca gtgcattcca gcctgggtga caaagtgaga 900
ctgcctcaaa aaaaaaaaaa aaaaaac 927

<210> 333
<211> 2218
<212> DNA
<213> Homo sapiens

<400> 333
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agttaatcct gactgggaga agaaagtaat tgagtatttt aaggaaaagt gaaggaaaat 120
aatgctccta agtgggtacc atcactgaac gaattcccct tcattatttg aaacctaata 180
gttttgtgaa atttcgttgc atgattcarg atatgtttga ccctgagttt tacatgggag 240
tttatgaaac ggtaaaccaa aacacaaaag cacatgttct tcatttttga aaatatagag 300
atgtagcaga gtgtgggcct caacaagaac ttrattttaa ctctccacga aataccactt 360
tggaagaca gactttctat tgtgttccgg tgcctgggga atctacgtgg gtaaaagaag 420
cctatgttaa tgcaaaccaa gctcgagtca gtccctcaac atcctacact cctagtcgcc 480
acaagaggag ttatgaagat gatgacgata tggacctaca gcccaataag cagaaagacc 540
aacatgcagg tgccagacaa gcagggagtg ttggtgggtct tcaatgggtg ggagagccaa 600
aacgtttaga aactgaagct tctactgggg aacagctgaa ctctctgaac ttgtcttctc 660
cttttgattt gaattttcca ttgccaggag agaaggggccc tgcattgcctt gtgaaggttt 720
atgaagattg ggattgtttc aaagtaaatg acattcttga gctatatggc atactgtctg 780
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tgccgagaat tcatgtgatc tttagccaga agttgcaaca catcaaccca ttattgcctg 960
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tgccttccgt gctgaacaaa ttccgcattt atctaactct tttgagattc ttggaatata 1680
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gatgtaatac ctatgaagag taatgggcaa actgtagcca cataattgta aaattcagat 1980
attcatttat accacattgt tttataggta atttctatca caaaccagtg acatttctctg 2040
aaatcaagcc tggtaacacc tgatgtttat atgatattca gtaaggactt ttaccttact 2100
gatttcatgg agctttttgaa gtttgtttta taataattat ataaattagt aatgatgtaa 2160
aaaaagtatt tgatattaaa agtttaatat tgaaaaaaa aaaaaaaaaa aaattgcg 2218

<210> 334
<211> 1356
<212> DNA
<213> Homo sapiens

<400> 334
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ggcctcgaca cccctggggc cgctggactt tggcaacgtg gtggccacac tggaccggg 120
ggctgcccgt cacctcacc cttgctgcca ttacgactcc aagctcttcc catctgggtc 180
gactcccttt gtggggggcca cggattcggc tgtgccttgt gccctgctgc tggagctggc 240
ccaggccctc gacaggggagc tgagtagagc caaggagcag gaggccccgg tgaactctga 300
gctgctcttc ttggacgggtg aagaggccct gaaggagtgg gggccccagg actccctcta 360
tggctccccg cacctggccc agctcatgga gtctgcccc cacagcccag gccccaccag 420
gatccaggct atcgagctct tcatgsttct cgatctcctg ggcgccccta atccgaactt 480

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ctacagtcac  ttccctcaca  cagcccgtcg  gttccatcgc  ctgcggacat  cgagaagcga  540
ctgcaccgcc  taaacctgct  acagtctcat  cccaggaag  tgatgtatct  ccagccgggg  600
gagccccctg  gctccgtaga  agatgaccac  atcccccttc  tccgtcgagg  ggtcccagtg  660
ctccacctca  tctccatgcc  cttccccgac  gtgtggcaca  cccccacga  ctctgaggcc  720
aacctgsacc  cccccacagt  gcacaacctc  agccgcaccc  tcgccgtgtt  cctggctgag  780
tatctggggc  tctascctcc  acggctgacg  ctkgaggaga  ggagcccgcc  caggacgtgc  840
caaggacacg  tggaaaccaat  ggacctcagg  ccaggccgcc  cctcggtatg  ctggcttatc  900
cttttatctg  gcatgggttc  tacttggtgt  atgatttgaa  gacctctttt  cctctgtctc  960
aaaccaccat  tcttttaaaga  catggaggag  tcaagaccac  tgtgggggtg  gcagccaaag  1020
gctcttctca  gtttcatggt  cggcataccc  tgggctggca  tctggaccgg  tcacagcacc  1080
ccaccaaag  aattctctgc  ggcttggtgt  tttatgtcca  tggactgccg  tgtgggggtc  1140
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agtccggcag  acccaagggc  aacagaccaa  tgtttctgtg  aaacatattc  tacagattag  1260
cattacaagg  tggtgcatga  aaaaggggat  cgaagacacg  ggatgagaca  ttaaagtagt  1320
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<210> 335
<211> 1036
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (869)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (894)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (915)
<223> n equals a,t,g, or c

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<400> 335
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ggagatgcgg  gtccgagatg  gcagcaaaat  ccgcaaccta  ctggggctgg  cactgggtcg  180
attggagggtg  gtggtgcacg  gcatgtggtg  ttctcaggtt  ctggtcgggc  tgcaggggaag  240
gcagtcagct  gtgctgagat  tgtcaagcgg  cgtgtaccgg  gcctgcacca  gcttaccaag  300
ctgcgcttcc  tgcagaccga  ggacagctgg  gtgccagtct  cacctgacac  aggccctggat  360
cccctcacgg  tacgcgcgca  tgtacctgca  gtgtgggtac  tgctcagccg  ggaccccttg  420
gaccccaatg  agtgtggcta  ccagcctcca  ggagcaccce  ctggcctggg  cccacatca  480
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gccaagcaag  ctgttttcca  cgcataatg  tctaggatgg  ctttgcctcc  tcaggaaagc  600
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ctggggtctg  gattgcttaa  gaagggttta  cttggcattc  tacctactgt  gcctctgtcc  780
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aaaaaaaaaa  aaaaaaaaaa  aaaattaana  aaaaaaaaaa  aaaaaaaaaa  aaanaaaaaa  900
aaaaaaaaaa  aaanaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  960
aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  1020
aaaaaaaaaa  aaaaaa  1036

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<210> 336
<211> 1365
<212> DNA
<213> Homo sapiens

```

F00T60" 33005660

T.D. 60 23005660

```

<400> 336
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acgttaagta ttgatgggtc aagacaatgg tctgaccctc ctgagaccct gaagcacctt 120
ctcgtgttca gtaatcctag cattcctccc caagcagacc cctcgcaggc ctctgcatta 180
ggctctggct ctggtgcttg gcattgccct ggggtcactt cccctgcata tgtgttggtta 240
tgtcatctcc aggcctcttt ggctcaacag gctctgcatg tcctccaggc tttttgtgtt 300
gccacagccc tctgtattga tcaactctcag acctgcagcc tcagtgggct ttttgcctgt 360
gggagaacat atctctaggc tctaagtcaa gccagctgcc tgcccagctg agctctctgc 420
agctcttccc attccagcta gtttgggctg taggaatcaa ctgagagggtg tccctttcct 480
gaagctacat gcggaaatca tttccttgct ttacacttgg cagtccttgc atcactgttt 540
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taaagatcaa agtattatat gctgtgtgct ttttagctgt tagtgctatg aaagcaaaaa 720
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ggaagtaggc tcaaaggtct ccccttatat agcatgttaa gtgtttgtac aggtttgcta 840
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tcctcctctc aaaatctccc tacgaagatg gtgttccact gagcgagctc agcgcaagta 960
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gaaagtactg accaggaaac acagggtgtca catctctaga aagaaagtac gtagtatttc 1080
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tacttttgta ccatgagttaa acttggaggt ctgttgcaag aaccatgaaa aaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1365

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<210> 337
<211> 1478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (42)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (46)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (49)
<223> n equals a,t,g, or c

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<400> 337
cncgggggac cgatccagcc tccgggactc tagcttagcc cncggnncgna taccaatttc 60
acacaggaac cagctatgcc actaggcttt tgcaaaaagc tatttaggtg acactataga 120
aggtagcct gcaggtagcc gtccggaatt cccgggtcga cccacgcgtc cgattagaaa 180
ttagtgtag aggatitaa tagccagctc acaggatgca gtccctttaa tttaggattt 240
ccctttgaga aaattatgga gttgaaaagg aatatgatat ttcatacaag tttccatctt 300
gggccccttat gttgtttgtt ctgctgatct ggaaattgta catgatttac attaaaactt 360
tttgttttta atategatta ttgtagtgtg ggggtgttaga ttatgtgcaa tagttctcag 420
agttgggaaa ggtaaaagggt tttttttggg caatgattaa ctcacttact ttaccagggt 480
tacataatca agtattagtt actatacatt tagctaattgc agtgggttta gttaaagcaat 540
gaatacattha tcawgggagc attaacactt ttgcattttt agacttgcct ttaaaaaaat 600

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tacagaaaaa	ctcctcacaa	cccttgccac	cctttcagcc	ataacattac	attgccttgg	660
tttctgcctt	taatttcctt	gggggttctt	tttatttagg	aaaaggggta	aagatgtatt	720
tgtgtaagta	ctacaccagt	gcttctgtta	aattcctttt	caacaaagaa	tatgttactt	780
gggtgccttg	tacacagggc	gcataatttt	ttggaaataa	tgtgccatga	aagcagtagt	840
ttttagtgtg	catgtttatt	tcatgtctgc	cagtttattt	tagcttagaa	atttccta	900
gctttgagtt	tataacagtc	tttcagttta	taacagtcct	tcagttaact	gagtgcata	960
acataatatg	cacaaaatgg	ccaactttta	gaaattgtgt	attttaaaat	cccttttttt	1020
tcagtckgat	atcatgtgtc	tccttgttcc	ccttaatatg	caactaaaat	ttamcctaag	1080
atatgaaaaa	tatgttaaga	aagcttaatt	tcttaagctt	aatttggaac	gtcaatgaag	1140
aattaaacat	ttgctttcta	gaaaccttaa	tctttgttaa	tgtgaaatta	acatagatga	1200
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ttgacctact	ataagagcta	agtgcacata	aatggcagtc	agagaagagt	ctggtatcac	1320
tctttcttcc	gctgtttggc	agtgcattat	aagagcagtt	cttcaacttt	ctggtatcac	1380
tcttaataat	ggaagtggcc	atagcgcttt	tgcttatgag	aattatatct	agtgatattt	1440
actatgtttg	aaattaaaaa	aaaaaaaaaa	gggcggcc			1478

<210> 338

<211> 1125

<212> DNA

<213> Homo sapiens

<400> 338

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tctcctgtga	tgccctgtga	aatggcttgt	ctcctcccc	atcagggccc	accgaaagct	180
caggggagca	cagaagccca	tggaaagcca	gggagatgtc	cctggggcag	acactaaggc	240
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<211> 1157

<212> DNA

<213> Homo sapiens

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<211> 902

<212> DNA

<213> Homo sapiens

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<211> 1552

<212> DNA

<213> Homo sapiens

<400> 341

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<211> 897
<212> DNA
<213> Homo sapiens

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<210> 343
<211> 1767
<212> DNA
<213> Homo sapiens

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 <211> 1129
 <212> DNA
 <213> Homo sapiens

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<210> 345
 <211> 1284
 <212> DNA
 <213> Homo sapiens

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<210> 346
 <211> 1911
 <212> DNA
 <213> Homo sapiens

T02T60" 28005660

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<211> 833
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
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 <211> 2927
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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<211> 3097

<212> DNA

<213> Homo sapiens

<400> 352

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<213> Homo sapiens

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<211> 835

<212> DNA

<213> Homo sapiens

<400> 354

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<210> 355

<211> 879

<212> DNA

<213> Homo sapiens

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<210> 356

<211> 352

<212> DNA

<213> Homo sapiens

<400> 356

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<211> 919

<212> DNA

<213> Homo sapiens

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<211> 2793

<212> DNA

<213> Homo sapiens

<220>

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<210> 359
 <211> 2795
 <212> DNA
 <213> Homo sapiens

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<210> 360

<211> 575

<212> DNA

<213> Homo sapiens

<400> 360

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575

<210> 361
 <211> 1165
 <212> DNA
 <213> Homo sapiens

<400> 361
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<210> 362
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 362
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<210> 363
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 363
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<210> 364
<211> 908
<212> DNA
<213> Homo sapiens

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<210> 365
<211> 1891
<212> DNA
<213> Homo sapiens

<400> 365
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 <213> Homo sapiens

<220>
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 <222> (826)
 <223> n equals a,t,g, or c

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 <212> DNA
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 <223> n equals a,t,g, or c

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<210> 368

<211> 2267

<212> DNA

<213> Homo sapiens

<400> 368

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<210> 369

<211> 434

<212> DNA

<213> Homo sapiens

<400> 369

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gaaatcacag	aataagaatg	atttgcacac	accaagagtt	tgagaaacat	gctctaata	360
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<210> 370

<211> 1673

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (515)

<223> n equals a,t,g, or c

<400> 370

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<210> 371

<211> 2805

<212> DNA

<213> Homo sapiens

<400> 371

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<210> 372

<211> 709

<212> DNA

<213> Homo sapiens

<400> 372

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<223> n equals a,t,g, or c

<220>

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<220>

<221> SITE

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<400> 375

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<210> 376

<211> 1496

<212> DNA

<213> Homo sapiens

<400> 376

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 <211> 1135
 <212> DNA
 <213> Homo sapiens

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 <211> 2704
 <212> DNA
 <213> Homo sapiens

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<210> 379

<211> 1225

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1214)

<223> n equals a,t,g, or c

<400> 379

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<210> 380

<211> 1324

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (1241)
 <223> n equals a,t,g, or c

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 <221> SITE
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 <223> n equals a,t,g, or c

<220>
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 <222> (1323)
 <223> n equals a,t,g, or c

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 <211> 1500
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 383
 <211> 543
 <212> DNA
 <213> Homo sapiens

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 aaa 543

<210> 384
 <211> 1681
 <212> DNA
 <213> Homo sapiens

<400> 384
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<210> 385
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 385
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<210> 386
 <211> 2301
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (36)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (237)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (250)

<223> n equals a,t,g, or c

<400> 386

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atgcagtgan	aaaaacctga	agataaaaaa	gaagttttca	gacctctcaa	gcctgctggc	300
gaagtggatc	tgaccgcact	ggccaaagag	cttcgagcag	tggaagatgt	acggccacct	360
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cagagtacag	ttgacaaaa	gcgtgccagc	catcatgaga	gcaatggctt	tgccggtcgc	660
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aaaaaaaaaa	aaaaaaaaaa	a				2301

<210> 387

<211> 281

<212> DNA

<213> Homo sapiens

<400> 387

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ggctgctggg	gtcgataggg	ttttgtcgta	ataggcagag	atgacttgca	tcccagcttt	180
ccaccaacca	aattcaaaca	ttcactgctt	atttggtaca	gactgtaatt	attaaagtcc	240
ctgagagctg	ttttctccc	ttaaaaaaaa	aaaaaaaaaa	a		281

<210> 388

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<211> 1061
<212> DNA
<213> Homo sapiens
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<222> (1)
 <223> n equals a,t,g, or c

<400> 391
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 tgtatgcttt gtcaaagatc agttggctat aagtatttgg ctttatttctt ggggtgtctg 180
 ttctgttcca ttgggtctatg tacctgttgt tatactagcc ccagatgctatt ttggtaacta 240
 tagcattgta gtatattttg aagttgaata atgtgatgcc cccagatttg tyctttttgc 300
 ttagtactgc tttggctatt tgggctcttt tttggtgcca tatggatttt aggattgttt 360
 ctgattgaca aaggtatttt gatgggagtt ctgtgaagag tgatgggtgg atcttgataa 420
 gaactgcatt gaactctgtag cttgcttttag gcagtatggc cattttcaca atattgattc 480
 taccatcca tgagcatggg atatgtttcc atttggttktgt gtcactatg atttctttca 540
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 gaatagaagt ggtgaaagt ggtaaccttg tcttgttcca gttttcaggg gcgtaggcaa 960
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<210> 392
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 392
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 atcccactca gccaaagtgtc tttctgtgtc tggggggagg aggggatgat atccgtgtgg 120
 ttcatgtat tatttttaag ctccgtgagt gcgtgggtca gtgtctgcat gaagtggaaat 180
 aaactgcca ccgccaaaaa aaaaaaaaaa aaaa 214

<210> 393
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (94)
 <223> n equals a,t,g, or c

<400> 393
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 ctcgaaatta accctacta aagggaacaa aagctggagc tccaccgagg tggcggccag 180
 ctctagaact agtggatccc ccgggctgca ggaattcggc acgagctact aataattatt 240
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acaactaacc tgccactaat agttatgtca tccctcttat taatcatcat cctagcccta 480
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 aakggggggg tttta 554

<210> 394
 <211> 1273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (45)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (820)
 <223> n equals a,t,g, or c

<400> 394
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<210> 395
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)

0995008-091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (880)

<223> n equals a,t,g, or c

<400> 395

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<210> 396

<211> 1648

<212> DNA

<213> Homo sapiens

<400> 396

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<210> 397

<211> 762

<212> DNA

<213> Homo sapiens

<400> 397

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tccccctgt tgtagatttc atctgcttcc tccttaggga aggtctgggat atgatgagag 660
attccagccc aagcccgccc ccccaccgcc aggccatagg gcataatttg catctcaaat 720
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<210> 398

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1452)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1453)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1460)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1463)

<223> n equals a,t,g, or c

<400> 398

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gtatctccca aatataggtt aacttagcta tttaaatggt atcttttgac atttaaaaag 120

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aattaagtac ctgtcaaatc twgcattgag gttgcagttg aataagataa aagcttagga 180
tgtcaaaaaa taatatagag aaatattata agattttatg attattcttg amgtttttga 240
tgcaaaagga aaatatgctg aatagttctt ccaaaaaata ttatttccct caatatttta 300
tttgtagcca tgtaatttaa agagaacaga aaataactgc aatcaaaagt atgggtttaat 360
atcaatcaaa gtggcacaac agaattgata agatctttat aacaatcaat tggctgatat 420
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atcagcatcc accacaatat atgggtcatta ttggtttgta agcatagatc accattgact 540
cctacctgga gagacatgtc tattttctaaa aatccagtag tttctttgca ttctcagtag 600
tacacgttgt atatatatat atgtaacaaa tttggtagtt ttcagtatgt gtgatgtcct 660
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<210> 399

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (142)

<223> n equals a,t,g, or c

<400> 399

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ttcacacagg aaccagctat gnccatgatt acgccaagct cgaaattaac ctcactaaa 180
gggaacaaaa gctggagctc caccgcgggtg gcggccgctc tagaactagt ggatccccg 240
ggctgcagga attcggcacg agggattgtt tttgaacatc acaaatttgt tcttgatag 300
aattttatac attgcttttc atcatatatt tgctcagtta ctctaagaag caaggaactg 360
atcactagtt gggaaatctat atgggcctaa acttgagtgt attgatttat tattacatct 420
actaccaaca ttttcttaag catagccttc taaatttttt caggagatta gaataaagg 480
atacatgcta ctcggtcttc tggtaattct agtgataaac ctttgatga gacaggtcct 540
aatcagcact gaattcttca ataggaggct gtgttacagg agctacagat ttttccctgg 600
awtagcttag gtcattgcct ttacttttaa aaaaaaaaaa aaaaaactcg agggg 655

<210> 400
 <211> 1286
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1232)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1263)
 <223> n equals a,t,g, or c

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 tacattaatg tggaatcaac agatgcagaa gaataataca taacttttaa aagctttcat 180
 aaataccagc agcaattgta agcaaatcta caaagggttct tgaacctttc tattatatac 240
 aaaactgaaa agtcattaag gagttcaact aatcaggaat taaatgggtca tttatttcat 300
 gcagtatgat ttaaggtatt tcttgagatt ctgggtcaaat gtcataatca gcaaacggga 360
 ttaaaaaaaaa aactccaaaa tcaactaaata attatctaaa taatgggtatt ggagaacttg 420
 tttcctgcta tttggaagag attgttgctt cattgctagt ttgtatttct aacttctaca 480
 gttatagact ccactgtgct ttgtgtctga atttctcagt atagacattt tgtttactgt 540
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 gtaattaatt tctgctacag aaaagccacc tgggtacgtt tgtctcatca ggattgtttt 660
 aaattctaaa ctataagttt gttcagaggg gcttttgcaa tgatagcaga aaactgtaca 720
 aatgtacagt tagttataga ggttcttggt gaaatgaact taccatctga tgatatgtat 780
 gtacagctgt gtacttgagt ctttttttagt ttacttagaa agactagcag tttgacctgt 840
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 tattcagctt atccttttag tgggtatttg gcacaatgag gataaactta tgtgaccac 960
 ttgaatggct gatctaataa tggtgacatt atgcattctg tacttagtga aatgtcagat 1020
 gaaaataact gatgaataat ttttttgtat taaagggatg ggaaaagaac acatgaattt 1080
 gtttaataaag cactatgatc tgcaaacgat ggaatgttct ataaagatct aaagaaataa 1140
 aggaaaacttt aaaacaaaaa aaaaaaaaaa aacycgaggg ggggcccgtt acccaattcg 1200
 ccctatagtg agtcgtatta caattcactg gncgtcgttt nacaacgtcg tgactgggaa 1260
 aancctggcg ttaccaact taatcg 1286

<210> 401
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (58)
 <223> n equals a,t,g, or c

<400> 401
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 atacaaaaaa attagctgag attacaggtg tgagccacca cccccagcgg tcccaatcca 120
 ttttttagttg ctaattggat tgaggagatc agaccccaac aatggaaaag gcagactctc 180
 tagaggaaaa tactatcaat catcttaagt ctcttttgtt ctgtgataca cagttggcat 240
 acagtcaaac gttatatgaa atgcagagaa actggaagat tactgataat caagggaaca 300
 aataggtaat aggagcaaac tcagatgatc cacatgttgc agttagtagt caaggatttt 360
 aacataagta ttataaatgt cttgaaaaaa agaaaaatga acagatagaa aattttgaca 420
 gagaattgga gtctataatt aaaaggaatc aaatagatat tctagaactg aaaaatatat 480
 ttgaaattaa cattggatgg gcttaacagc aggtgaaca ctgaattagt gaactaatga 540
 gaagacagaa ttagtgaact tgaaaaaaga tcagtagaaa atattcaaac tgaagcacag 600
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<210> 402
 <211> 2186
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (174)
 <223> n equals a,t,g, or c

<400> 402
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 acgccagagc tgggtcagag ctgcagccag cggcgccccg agagattcgg agatgcaggc 120
 ggctcggatg gccgcgagct tggggcgcca gctgctgagg ctcgggggcg gaanctcgcg 180
 gctcacggcg ctccctggggc agccccggcc cggccctgcc cggcggccct atgccggggg 240
 tgccgctcag ctgggtcttg acaagtcaga ttcccacccc tctgacgctc tgaccaggaa 300
 aaaaccggcc aaggcggaat ctaagtcctt tgctgtggga atgttcaaag gccagctcac 360
 cacagatcag gtgttcccat acccgctcctt gctcaacgaa gagcagacac agtttcttaa 420
 agagctgggtg gagcctgtgt cccgtttctt cgaggaagtg aacgatcccg ccaagaatga 480
 cgctctggag atgggtggagg agaccacttg gcagggcctc aaggagctgg gggccttttg 540
 tctgcaagtg cccagtgagc tgggtggtgt gggcctttgc aacaccagc acgcccgttt 600
 ggtggagatc gtgggcatgc atgaccttg cgtgggcatt accctggggg cccatcagag 660
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 caagctggca tctggggaga ctgtggccgc tttctgtcta accgagccct caagcgggtc 780
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 caagacacca gttacagatc cagccacagg agccgtgaag gagaagatca cagcttttgt 960
 ggtggagagg ggcttcgggg gcattaccca tgggccccct gagaagaaga tgggcatcaa 1020
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 gacaaatgac attcttcggc tgtttgtggc tctgcagggc tgtatggcgg gcagggctgg 1560
 gcagcggcct gagtctcagc ggacttgtcc acccgaggtt gagtccgagt ggcgagctgg 1620
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gcattctcaa ggcttgggtg gaggcgggtg gtgtgggtcac cagcaaccca cttggcttct 1980
gaatactccc ggccaggggc tgtcccagtt atgtgccttc cctcaagcca aagccgaagc 2040
ccctttcctt aaggccctgg tttgtcccga aggggcctag tgttcccagc actgtgcctg 2100
ctctcaagag cacttactgc ctgcgaaata ataaaaattt ctagccagtc aaaaaaaaaa 2160
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<210> 403

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (673)

<223> n equals a,t,g, or c

<400> 403

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acaccagcaa gaaaaagtat ttttcaagcc ctctggaagc attggaagct ccaagtgagc 180
ataagtgaat atacccctaag agatacttcc aggttctaga tccaggtgtt tcattttccc 240
cttggtttcc cactacattg tcattctctc aaccttatct ttagttttgt ttttttcattg 300
gaagaccaga aagccccctt ccccaaagtg ttaaaatctg ggggtgaaggc aactgacctc 360
attgcatact ttggcaattc aaagttataa aatgttagcc gggcacgggtg gttcacgcct 420
gtaatcccaa cactttggga ggccaaggcg ggcggatcac ttgaggtcag gagtccgaca 480
ccagccgggc caacatgggtg aaaccccatc tctactaaaa atacgraaat taatcaggkg 540
agatggcgca cacctataat cccagctamt tgggaggctg aggcattgaga atcgcttgaa 600
cccaggaggc agaggttgca gtgagtgagc agagatcggt ccaactgccct ccagcctggg 660
tgacagagca agnctgtctc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcga 720
g 721

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<210> 404

<211> 1024

<212> DNA

<213> Homo sapiens

<400> 404

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ctgcaggaat tcggcacgag cttattttac ctgtgagtta actaagattt agaaaaaaat 60
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cctccatgcc ttaaatctga aacaccgtta gttgacatct ctactgaaa ataatacaca 180
catcgacttc ttagaaagat aagatacatt tgtctttcct gaatatatga tttgcttttg 240
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gagagactgt ggtctagact gaggattatg acagcataca aaactgactc aacacttaca 420
ggtaataaaa atgagcagtg gtttctttta tttatttctg ttatccacta catagattcc 480
atgtggattt aagaaactca aattcaagta gaaatatcta ttaatagcta ttaaccaatc 540
atgcatctca tgtcttagga gattctatcc tgtagataaa atgaggaaat catttattga 600
ctgccttttt gggaaataac tctatgggtc ctagaagaca tcttcgttta cttcaagtgc 660
catggccttg agtttcatc aggaagatgg tccaaaatat gagaatgtgt ttattctttt 720
aagatatgta aattgtttat atcaatatca acttactcct tttgggagag aaatacataa 780
gtagtacttc actttcatta gttatttaac attcaaaatc tctcaagtca tttaaccagg 840
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ggcccaggag tacgagacca tcctaggcac acagtggagc ctcaatctct acaaaaawaaa 960
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gtat 1024

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<210> 405

T02T60"28005660

<211> 1210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1204)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1205)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1209)
 <223> n equals a,t,g, or c

<400> 405
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 aaactcaggg gaatgtgttt gccactgatg ccactcctggc cagcgtgatg agctgtaccc 180
 gctcagtgtg ttcttgggat attgtcgtcc agagagttgg gtccaaactc ttctttgaca 240
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 caaacccgtt tgtggaggac gacatggata agaataaaat cgctctgtt gcgtaccgtt 480
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 catgactgga gccaacgggg aagtgtcctt catcaacatc aagacactca atgagtggga 600
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 gctggctgga tctgagtacc tcaagcttgg ttatgtgtct cggtagcacg tgaaagactc 780
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 accgagacta cgagggcctt tgatgcttag tggaaatgtg gtctaacttg ctctctgaca 1140
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<210> 406
 <211> 1445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1017)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1441)
 <223> n equals a,t,g, or c

<400> 406
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 ccctccgacg ctccgtcgcg tgacagaatc gcggcgcttc tcgtaccgcc catcctccgc 180

ggacgccccg tgcacatggcg actctgtctgc gccctgtcct ccgtcggctc tgcgggctcc 240
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 ccgcgccgat ccgctctctat aaccctacc gccacgacat ggctcgagtt ctaggggaga 420
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 naaaa 1445

<210> 407

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1599)

<223> n equals a,t,g, or c

<400> 407

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 ctaatatgaa aaacagctct acttagaaag ctactgcttg ggttttctta ttaggcatag 180
 ttctccagac tgagttgggt ttactcatct acatgatttt tccttgccct atgggaacaga 240
 aattcaggcc cactcgaatt cagttatttt agggctcttt aaaatccagt atttgtgatt 300
 taaatgatgc ggagggactt tcattacctg tgtctttgct tatttctctc tggccctcag 360
 aacacccccc cctgaccttt aggggaaatt gacagaggca gagggtttca cctgcctcaa 420
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1633

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<210> 408
 <211> 1406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (294)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1336)
 <223> n equals a,t,g, or c

TOTAL 2205550

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 aagaaaaaaa aaaaaaaaaa ctcgta 1406

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 <211> 1282
 <212> DNA
 <213> Homo sapiens

<400> 409
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<211> 1053

<212> DNA

<213> Homo sapiens

<400> 410

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gccttccgcc	accgacgagc	taaactcagg	ctgcaacaac	agcagcggca	gcgtcgaaat	300
caacttgttg	gcctatcatg	gggcatgcca	tggggctggg	cctttcccta	ccggttcact	360
gcttgacctt	cgcttcctca	gcaccttcaa	gccccagcc	tacgaggatg	tggttcaccg	420
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<210> 411

<211> 1238

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<400> 411

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tggaccaggg	cgtgaacgtc	acccagggtat	tcgtggacac	cgtaggatgc	cagagacata	600
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ctacccaat	gatcccaaga	caaaagcgtg	gttgaaggag	cacgtggagc	ctgtgttcgg	840

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<210> 412

<211> 1954

<212> DNA

<213> Homo sapiens

<400> 412

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cttgagtaca gttccttgga aaggacacaa ggggtttcat aaagcggtag taaaaatctg 180
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gaactagtta aaaaaaaaaa aaaaaaaact cgag 1954

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<210> 413

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> n equals a,t,g, or c

<400> 413

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aaggcagtg cttccacact ggacctcttt cctggttctc ttttgcaata cattaacaga 780
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aaaaaaaaa aaaaaaaaaa aaaagggcgg ccgc 874

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<210> 414
<211> 2206
<212> DNA
<213> Homo sapiens

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<400> 414
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<210> 415
<211> 956
<212> DNA

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<213> Homo sapiens

<400> 415

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<210> 416

<211> 1198

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1081)

<223> n equals a,t,g, or c

<400> 416

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<210> 417

<211> 2174

<212> DNA

<213> Homo sapiens

<400> 417

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<210> 418

<211> 1764

<212> DNA

<213> Homo sapiens

<400> 418

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```

```

<210> 419
<211> 682
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (665)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (673)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (677)
<223> n equals a,t,g, or c

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gcacgtgcta gtacgcaccc cctcctactc taactgtgct agctcttggg ttgaggaatg 180
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aaaggaaga agagccagca gttgaggctc ctcagtttta gtgctgaaat aataaacagt 600
gacaggtcaa cagtaaaaaa aaaaaaaaaa aaamctcgag gggggggggc cgggtacccc 660
aaatncgcc tanaagnag gc 682

```

```

<210> 420
<211> 1743
<212> DNA
<213> Homo sapiens

```

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<400> 420
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ttggcccgcc tggagctgca ggagggcccg gagaagcctc gtcgggtgtga ggctgcccgg 240
aaggatcatcc gcctcagtga ctgcctgcgg gtggccgagg ccggcggaga ggccagcagc 300

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gccctggagc tgtgggggtgg gcccaagcca gggaccagc tgtacgactg gcctacagg 660
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<210> 421

<211> 1623

<212> DNA

<213> Homo sapiens

<400> 421

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aaa

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<210> 422
 <211> 825
 <212> DNA
 <213> Homo sapiens

<400> 422
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 ctttcttag tggttttgtt ttttgttggt tttttgttat tggtagcggt aacgtagttt 720
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 tcagcccatt gcctttttta aaaaaaaaaa aaaaaaaaaa aaaaa 825

<210> 423
 <211> 2221
 <212> DNA
 <213> Homo sapiens

<400> 423
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 g 2221

<210> 424
 <211> 1662
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (382)
 <223> n equals a,t,g, or c

<400> 424
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 ggttggtatc tcctgctacc ctcttggtatt ctaagtgggt ccaagcttaa cttgagacct 1560
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<210> 425
 <211> 2055
 <212> DNA
 <213> Homo sapiens

<400> 425
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 agaaagcaca tccgatctca acattcacgt cctgccttat aaccgattaa ttaattgata 180
 ccagctaga ctagtggttg agaaatcagc atgttaaaac aactgttgat gatagctgtt 240
 ggagtaaagt tgcagtggaa gctatggctg caaaatcggt aaaatcttca aggtgaactg 300
 gcacaaaggc taatctcaag atgccgctag tgaaaagaaa catcgatcct aggcacttgt 360
 gccacacagc actgcctaga ggcattaaga atgaactgga atgtgtaacc aatatttcct 420
 tggcaaatat aattagacaa ctaagtagcc taagtaaata tgctgaagat atatttgagg 480
 aattattcaa tgaagcacat agtttttctc tcagagtcaa ctcatgcaa gaacgtgtgg 540
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atataacaat gaggaaagct ttccgaagtt ctacaattca agaccagcag cttttcgatc 660
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 aaaaaaaaaa aaaaa 2055

<210> 426
 <211> 829
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<400> 426
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 ccacatggac taagaggggc tatgggagta ttccccaag gaagactgag gggcgttact 180
 agaaaatggg agaattggaag cagagtgggc aaaaccaaca gatgttccct atagtaaata 240
 aaaaatttgg acaattatta gtgagcaagt acttataaca tatatggcac atgggattgt 300
 gactcaccag tgtgttagca caatatggtc aaaaacctct gatccaattc aacctactca 360
 tcttaacgat tttatcagca ttttaataagt ttgttttggc catcatgtgt tatagttttg 420
 tttgtggttt tgacacctca ttagaggttt catcagtgtg aggagccaac ctaagagctc 480
 ttctcacaag tttcccaaga gagaaattgc ccctccaaat gtgaggagtc tcactttata 540
 tagatagcat ccacacttct tgcagtggaa aacaaacctt ataaaatgta atacgtttgg 600
 tttcctaact ttttcatgac cctggggtgg tagaaggaag tgcaagtttt atcacttgga 660
 tttagagaca aggaaattga aatggagaga gaattgggct cacatgcagg cagcatgtct 720
 agctgcctcc atcgtgtgat ctgaggcacc ccatgaggcc tatgattact gtaaacctct 780
 aaaataaata aaaaataaaa caataaaaaa aaaaaaaaaa aaactcgag 829

<210> 427
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<400> 427
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 ctaaacattt gaaaatattt gaaataaaaa aattacctgt ttttaagtga caaaaattat 180

taattttataa gttacttagg aatgtttctca ggtgcaagta acagatgaca caaacacagc 240
 agattgaatc ggcgatggta caattttctc atgtaacata aatgcagcag ctgcatttgt 300
 tgggtggctc agtggccttt tgggcttttc cttcatgggt gcaagatggc actactccaa 360
 ctcaagcadc atgtttgtat tcaagacaga aggaaagggg gacgggtttgt atcagtcact 420
 ctgacctttt tatcagaatt gcataagtgc tcttagaagc agtctgcttc tccctaagat 480
 ctttgctcag atgttatttg gcagagcttt tttgtgtgtg tagtgtctaa tggttgcaag 540
 ggaggttggg aaaaatgatt cttttttttc tggcttttat agtgggaagca ggcaaaagat 600
 tagttgggtg tagttgttg gttagccggt catcatgctc tgccccctaa tgctcagaat 660
 actgaagact aaagatgcaa tgacaaacaa gatagtcctt attgtttttg tttgtttgtt 720
 tgttttttgt ttttagatac agctataatt ttattacaaa actgttcttt tggcattagt 780
 tagttacagt gatagcaaga taatgtgagt gtgcagactg gctctgatgg aaccactgta 840
 ttccctgctt actgaaccaa acttcagcta cctcatatcc attacataca agtgacctgc 900
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 gcaccaagg agcgtcagtt cttgttaaaa agcaatacct gtgtgatgca tttttacgcc 1140
 acaggcaaag ggaaggatca ccttcatttt aaactcctgc agagtccttt aataaaatat 1200
 caaagcattc caaaaaaaaa aaaaaaaaaa aactcgaggg gggggccc 1247

<210> 428

<211> 1587

<212> DNA

<213> Homo sapiens

<400> 428

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 aagacaaaaa ctcagcgtgg cctcatggag cccatcactc acatcaggaa gccccactcc 120
 atccgggttg agacaggatt accagcccag agggacgctt cataccgcta cacctgggat 180
 cggagtctgt ttctgatcta ccgacgcaa gagctgcaga gaatcatgga agagctggat 240
 ttcagccagc aggatattga tggcctggag gtggtgggca aagggtggcc cttctcggct 300
 gttactgttg aagactacac agtgtttgaa agaagtcagg gaagctcttc tgaagacaca 360
 acatacttag gcacattggc cagttcctct gatgtctcca tgctattct cggcccttct 420
 ctgctgttct gtgggaagcc agcttgctgg atcagaggca gtaatccaca ggacaagagg 480
 caggttggga ttgctgctca cttgaccttt gaaaccctag aaggcgagaa aacctcctca 540
 gaactgactg tggtaataaa tggcaccgtg gccatttggg atgactggcg acggcagcac 600
 cagccggaca ctttccaaga ccttaagaaa aacaggatgc agcgatttta ctttgacaac 660
 cgggaagggtg tgattctgcc tggagaaatt aaaacattta ccttcttctt caagtctttg 720
 actgctgggg tcttcaggga attttgggag tttcgaacct atcctactct attaggaggt 780
 gctatactgc aggtcaatct ccacgcggtc tccctgacct aggacgtttt tgaggatgag 840
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 gcccaagcaa ccttctggaa aacgggttaa taataaatc aataaagaac cttcaagttt 1560
 ctactaaaaa aaaaaaaaaa aaaaaaac 1587

<210> 429

<211> 2179

<212> DNA

<213> Homo sapiens

<400> 429

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 aattgacaca ccagggtggg ttatgggctt ctccttctc ccaagcatcc cacagccacg 120

catcttttccg ctttccactct gacccctctc attcattttc cctgggtgaag ctagtgtcat 1200
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 caggatagaa tccaaactca tcaccatggt ccgtgagacc ccctgtgatc tggcctgcct 1320
 gactctccga tctcatggca ttaccactcc cttccctctt gtgatgatct gtccgcaacg 1380
 acttttgcgtg ttctcatgcc tggcccaacta tgtgcagaca tgcaggttgt acaatgcata 1440
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 tggtgaccct ggtcacacgc acagctcttt cctaccacaa agccttggca cttgctggcc 1560
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 agtgtatatt tacctctgcc tttggaagtt aaagtttttt ttttttgaac taaaaattcc 1980
 ttaagtgtaa tttcatcctt gaaaagtcaa agatttggtt ttttggcata ttgtcaagtt 2040
 tttaaaattt aaaatacagt tagttcaaaa tatattcaca gctttcattc atgagacatt 2100
 tataaatatt gggttataaa gttccacatt tagtatttaa ctcaaaaaaa aaaaaaaaaa 2160
 actcgag 2167

<210> 431

<211> 1015

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (995)

<223> n equals a,t,g, or c

<400> 431

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 taagccgcgg cggacaacta tgctgaaagc caagatcctc ttcgtggggc cttgcgagag 120
 tggaaaaact gttttggcca actttctgac agaattcttct gacatcactg aatacagccc 180
 aacccaagga gtgaggatcc tagaatttga gaaccgcgat gttaccagca acaacaaagg 240
 cacgggctgt gaattcgagc tatgggactg tgggtggcgat gctaagtttg agtcctgctg 300
 gccggccctg atgaaggatg ctcatggagt ggtgatcgtc ttcaatgctg acatcccaag 360
 ccaccggaag gaaatggaga tgtggtattc ctgctttgtc caacagccgt ccttacagga 420
 cacacagtgt atgctaattg cacaccacaa accaggctct ggagatgata aagggaagcct 480
 gtctttgtcg ccacccttga acaagctgaa gctgggtgcac tcaaaccttg aagatgaccc 540
 tgaggagatc cggatggaat tcataaagta tttaaaaagc ataatacaact ccatgtctga 600
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 tatcaaatat ggatttctctg gccccagaac ttcccaaaga cctgtaaaaat ggagggattt 900
 accacctcac atatgtccag ttaaacagtt tgtggacttg taaccgtcgc agcccaatga 960
 tacaacagta gtttaatcac gtgtattggg cttgnaatgt gatttccatc ccttg 1015

<210> 432

<211> 1273

<212> DNA

<213> Homo sapiens

<400> 432

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 taagccgcgg cggacaacta tgctgaaagc caagatcctc ttcgtggggc cttgcgagag 120
 tggaaaaact gttttggcca actttctgac agaattcttct gacatcactg aatacagccc 180
 aacccaagga gtgaggatcc tagaatttga gaaccgcgat gttaccagca acaacaaagg 240
 cacgggctgt gaattcgagc tatgggactg tgggtggcgat gctaagtttg agtcctgctg 300
 gccggccctg atgaaggatg ctcatggagt ggtgatcgtc ttcaatgctg acatcccaag 360
 ccaccggaag gaaatggaga tgtggtattc ctgctttgtc caacagccgt ccttacagga 420

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cacacagtgt atgctaattg cacaccacaa accaggctct ggagatgata aaggaagcct 480
gtctttgtcg ccacccttga acaagctgaa gctgggtgcac tcaaacctgg aagatgaccc 540
tgaggagatc cggatggaat tcataaagta tttaaaaagc ataatacaact ccatgtctga 600
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tgttttcttc tccctctgac tgcagaggaa gtgttcctac ctgcaggaag gcacctgtca 780
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accacctcac atatgtccag ttaaacagtt tgtggacttg taaccgtcgc agcccaatga 960
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caacaaatac cgactggctg agcacctgct gtgtgtgcac tgctgttcta gctgtgacc 1080
atagacagca taaatgaaaa agacagaaat tcccaccttc gtggaactct ccattttcct 1140
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ttggatatgc aaa 1273

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<210> 433
<211> 1282
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (907)
<223> n equals a,t,g, or c

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<400> 433
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tcattctacc caactgattg agacagaaca gaagataaac tgaaacttct ctgccttccc 120
gctgcaagag tgaatgagcg atccctctca actgactcaa aatgtttgcc tcaccagga 180
gatggagctc tcgaaggcct tctctggcca gcggacactc ctatctgcca tctcagcat 240
gctatcactc agcttctcca caacatccct gctcagcaac tactggtttg tgggcacaca 300
gaaggtgccc aagccccctgt gcgagaaagg tctggcagcc aagtgccttg acatgccagt 360
gtccctggat ggagatacca acacatccac ccaggagggtg gtacaatata actgggagac 420
tggggatgac cggttctcct tccggagctt ccggagtggc atgtggctat cctgtgagga 480
aactgtggaa gaaccagggg agaggtgccc aagtttcatt gaacttacac caccagccaa 540
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<210> 434
<211> 806
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (25)
<223> n equals a,t,g, or c

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<220>

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<221> SITE
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (143)
 <223> n equals a,t,g, or c

<400> 434
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 cgccaagctc gaaatttacc ccttcactaa ggggaacaaa agctggagtt ccaccgcgtt 120
 ggcggccgct ctagaactag tgnatcccc gggctgcagg aattcggcac gagcggcacg 180
 agcgcaaagc catcgtggac aagtttggcg gggcagcttc cggccccacg gccttgttcc 240
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 cagagctgga tcccgcaaag cgccggcaca acttcaccct ggccttctcc acagcagaga 480
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 gccagctca gcagccacgg cccgggggtt cccttctgct ccatggaggc accagagcca 720
 ggggcttagg caagggtgtg tggcggtggg tttaactgca ttaaaagtac ttttgtaaaa 780
 aaaaaaaaaa aaaaaaaaaa ctcgag 806

<210> 435
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 435
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 tgccatttat ccaaatgcag aacctctgca tctccaagcc agttatgctg aatttgtcaa 180
 acttagacac ccttgacaac tgcactccta ctgtaggctc ctgtgcatac tgtcgtcttc 240
 tgtggggggt ggagagggtta gtgtgatgag gtgggtgtctg ccaggagggt ttctttcaaa 300
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 catgggggaa atgaatcatt tagctaggcc aggatctagt gaaagccaca gagtttaaaa 420
 ccatgaaaga agttgaaggc agcattcctc agctctgtga cttgtgacct tatttgaagt 480
 ttcaggattt ggggtgtcaca aaggattgtc cctaatacct ggccctgggg tcttccgagt 540
 gagctggttt aatactctga gaatgagcag ggagatccag agaataatc cctgaccgca 600
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 cgtaaaaaaa aaaaaaaaaa a 981

<210> 436
 <211> 1402

<212> DNA
<213> Homo sapiens

<400> 436
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 <213> Homo sapiens

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<212> DNA
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<211> 1591
<212> DNA
<213> Homo sapiens

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 <211> 3016
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 a 2101

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 <212> DNA
 <213> Homo sapiens

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<220>
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 <223> n equals a,t,g, or c

0995008-09101

<220>
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 <222> (758)
 <223> n equals a,t,g, or c

<220>
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 <222> (949)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (959)
 <223> n equals a,t,g, or c

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<210> 447
 <211> 1374
 <212> DNA
 <213> Homo sapiens

<400> 447

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ttgatgccaa	caaactgtat	tgcagtgaag	tgctggccat	attgctccag	gacaatgatg	360
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<210> 448
 <211> 1318
 <212> DNA
 <213> Homo sapiens

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<400> 448
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<210> 449
 <211> 1260
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1203)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1235)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1246)
 <223> n equals a,t,g, or c

<400> 449
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<210> 450
 <211> 1915
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1899)
 <223> n equals a,t,g, or c

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<210> 451

<211> 1070

<212> DNA

<213> Homo sapiens

<400> 451

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<210> 452

<211> 1160

<212> DNA

<213> Homo sapiens

<400> 452

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ccaacaacgt	ggagatccac	attcccgtgc	ccaatgatgc	cgactcacc	aagttcaaga	1080
cgacggtggg	gagcgtttaag	tgggtccccg	agaacagcga	gatygtgtgg	tccatcaagt	1140
ccttcccggg	cggcaaggag	tacctgatgc	gggcccactt	cggcctgcct	agtgtggagg	1200
ccgaagacaa	ggaggggcaag	ccccgatca	gtgtcaagtt	cgagatccct	tacttcacta	1260
cctccggcat	ccaggtgcgc	tacctgaaga	tcattgagaa	gagtgggtac	caggccctgc	1320
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tcgcagccaa	caccccggcc	tcggggctcc	tgggtggcagc	accaggggac	acacctgcca	1440
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cccagaagag	gctggtcttc	aagaagtctc	gtttctttgc	ccctgaagtc	agtttcaggg	1620
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tatgggttta	tgggtgttcc	tggaaactgt	ctttgtgcat	tcgttgctgt	ttgtgttacc	1860
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gatcagtatt	gacccaccag	gggaggtggg	gtttggtgag	agacgccagc	ctcagacttt	2160
ttcccactga	gggtccagag	agcggggcca	cgtgtcacc	acgtctgcgc	ttggtcacc	2220
gtcctcccca	ccctgtgtgt	gtttatgtca	tagttacatt	aaattccatt	cattgaataa	2280
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2340
aaagaaaaaa	aataaaaaaa	aaaaaaaaaa	aactcga			2377

<210> 455

<211> 1968

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (308)

<223> n equals a,t,g, or c

<400> 455

gccgtgtaaa	tgacgttttna	aggcgagtgc	ggaaagtggc	ctggggagcc	tcggggagcg	60
gacgccctcc	gccctgggtgc	tgacctgcct	ccctgcccct	tstgcctcct	gtmagcagag	120
gcctcggctc	cgcaactgcc	actcctcctc	ggggtgttgc	acaagtttcg	aggtcaccgg	180
cgaccccccc	tagcagcgcg	cctggctctg	gccccgcga	aggaggacgg	agtttgtgtg	240
ttgcatactt	tctaaggcgg	cggctgcagc	agcggctcca	tccagcccgt	nagctcctcc	300
tgnaagggnat	ggctggctac	ctgagtgaat	cggactttgt	gatgggtggag	gaggggtmag	360

<222> (1076)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1078)
 <223> n equals a,t,g, or c

<400> 457

gctgagcacg	ccctctgagc	cgctcgggtgg	acaccaggca	ctctagtagg	cctggcctac	60
ccagaaacag	caggagagag	aagaaacagg	ccagctgtga	gaagccaagg	acaccgagtc	120
agtcatggca	cctaaggcgg	caaagggggc	caagccagag	ccagcaccag	ctccacctcc	180
acccggggcc	aaacccgagg	aagacaagaa	ggacggtaag	gagccatcgg	acaaacctca	240
aaaggcgggtg	caggaccata	aggagccatc	ggacaaacct	caaaaggcgg	tgacagccaa	300
gcacgaagtg	ggcacgagga	gggggtgtcg	ccgctaccgg	tgggaattaa	aagacagcaa	360
taaagagttc	tggctcttgg	ggcacgctga	gatcaagatt	cggagtttgg	gctgcctaata	420
agctgcaatg	atactgttgt	cctcactcac	cgtgcacccc	atcttgaggc	ttatcatcac	480
catggagata	tccttcttca	gcttcttcat	cttactgtac	agctttgcca	ttcatagata	540
catacccttc	atcctgtggc	ccatttctga	cctcttcaac	gacctgattg	cttgtgctgt	600
ccttgtggga	gccgtgggtct	ttgctgtgag	aagtcggcga	tccatgaatc	tccactactt	660
acttgctgtg	atccttattg	gtgcggctgg	agtttttgct	tttatcgatg	tgtgtcttca	720
aagaaaccac	ttcagaggca	agaaggccaa	aaagcatatg	ctggttcctc	ctccaggaaa	780
ggaaaaagga	ccccagcagg	gcaagggacc	agaacccgcc	aagccaccag	aacctggcaa	840
gccaccaggg	ccagcaaagg	gaaagaaatg	acttggagga	ggctcctggg	gtctgaaacg	900
gcagtgtatt	ttacagcaat	atgtttccac	tctcttcctt	gtcttctttc	tggaatgggt	960
ttcttttcca	ttttcattac	cacctttgct	tggaaaagaa	tggattaatg	gattctaaaa	1020
gcctaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aacagnancc	1080
c						1081

<210> 458
 <211> 1044
 <212> DNA
 <213> Homo sapiens

<400> 458

gctgagcacg	ccctctgagc	cgctcgggtgg	acaccaggca	ctctagtagg	cctggcctac	60
ccagaaacag	caggagagag	aagaaacagg	ccagctgtga	gaagccaagg	acaccgagtc	120
agtcatggca	cctaaggcgg	caaagggggc	caagccagag	ccagcaccag	ctccacctcc	180
acccggggcc	aaacccgagg	aagacaagaa	ggacggtaag	gagccatcgg	acaaacctca	240
aaaggcgggtg	caggaccata	aggagccatc	ggacaaacct	caaaaggcgg	tgacagccaa	300
gcacgaagtg	ggcacgagga	gggggtgtcg	ccgctaccgg	tgggaattaa	aagacagcaa	360
taaagagttc	tggctcttgg	ggcacgctga	gatcaagatt	cggagtttgg	gctgcctaata	420
agctgcaatg	atactgttgt	cctcactcac	cgtgcacccc	atcttgaggc	ttatcatcac	480
catggagata	tccttcttca	gcttcttcat	cttactgtac	agctttgcca	ttcatagata	540
catacccttc	atcctgtggc	ccatttctga	cctcttcaac	gacctgattg	cttgtgctgt	600
ccttgtggga	gccgtgggtct	ttgctgtgag	aagtcggcga	tccatgaatc	tccactactt	660
acttgctgtg	atccttattg	gtgcggctgg	agtttttgct	tttatcgatg	tgtgtcttca	720
aagaaaccac	ttcagaggca	agaaggccaa	aaagcatatg	ctggttcctc	ctccaggaaa	780
ggaaaaagga	ccccagcagg	gcaagggacc	agaacccgcc	aagccaccag	aacctggcaa	840
gccaccaggg	ccagcaaagg	gaaagaaatg	acttggagga	ggctcctggg	gtctgaaacg	900
gcagtgtatt	ttacagcaat	atgtttccac	tctcttcctt	gtcttctttc	tggaatgggt	960
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gcctaaaaaa	aaaaaaaaaa	aaaaa				1044

<210> 459
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (1076)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1078)
 <223> n equals a,t,g, or c

<400> 459
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 ccagaaacag caggagagag aagaaacagg ccagctgtga gaagccaagg acaccgagtc 120
 agtcatggca cctaaggcgg caaagggggc caagccagag ccagcaccag ctccacctcc 180
 acccgggggc aaacccgagg aagacaagaa ggacggtaag gagccatcgg acaaacctca 240
 aaaggcgggtg caggaccata aggagccatc ggacaaacct caaaaggcgg tgcagcccaa 300
 gcacgaagtg ggcacgagga ggggggtgtcg ccgctaccgg tgggaattaa aagacagcaa 360
 taaagagttc tggctcttgg ggcacgctga gatcaagatt cggagtttgg gctgcctaata 420
 agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
 catggagata tccttcttca gcttcttcat cttactgtac agctttgcca ttcatagata 540
 catacccttc atcctgtggc ccatttctga cctcttcaac gacctgattg cttgtgcgtt 600
 ccttgtggga gccgtggtct ttgctgtgag aagtcggcga tccatgaatc tccactactt 660
 acttgctgtg atccttattg gtgcggtgg agtttttgc tttatcgatg tgtgtcttca 720
 aagaaaccac ttcagaggca agaaggccaa aaagcatatg ctgggttcctc ctccaggaaa 780
 ggaaaaagga cccagcagg gcaagggacc agaaccggc aagccaccag aacctggcaa 840
 gccaccagg ccagcaaagg gaaagaaatg acttgaggga ggctcctggt gtctgaaacg 900
 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttctc tggaatgggt 960
 ttcttttcca ttttcattac cacctttgct tggaaaagaa tggattaatg gattctaaaa 1020
 gcctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacagnancc 1080
 c 1081

<210> 460
 <211> 1081
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1076)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1078)
 <223> n equals a,t,g, or c

<400> 460
 gctgagcacg ccctctgagc cgctcggtgg acaccaggca ctctagtagg cctggcctac 60
 ccagaaacag caggagagag aagaaacagg ccagctgtga gaagccaagg acaccgagtc 120
 agtcatggca cctaaggcgg caaagggggc caagccagag ccagcaccag ctccacctcc 180
 acccgggggc aaacccgagg aagacaagaa ggacggtaag gagccatcgg acaaacctca 240
 aaaggcgggtg caggaccata aggagccatc ggacaaacct caaaaggcgg tgcagcccaa 300
 gcacgaagtg ggcacgagga ggggggtgtcg ccgctaccgg tgggaattaa aagacagcaa 360
 taaagagttc tggctcttgg ggcacgctga gatcaagatt cggagtttgg gctgcctaata 420
 agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
 catggagata tccttcttca gcttcttcat cttactgtac agctttgcca ttcatagata 540
 catacccttc atcctgtggc ccatttctga cctcttcaac gacctgattg cttgtgcgtt 600
 ccttgtggga gccgtggtct ttgctgtgag aagtcggcga tccatgaatc tccactactt 660
 acttgctgtg atccttattg gtgcggtgg agtttttgc tttatcgatg tgtgtcttca 720
 aagaaaccac ttcagaggca agaaggccaa aaagcatatg ctgggttcctc ctccaggaaa 780
 ggaaaaagga cccagcagg gcaagggacc agaaccggc aagccaccag aacctggcaa 840
 gccaccagg ccagcaaagg gaaagaaatg acttgaggga ggctcctggt gtctgaaacg 900
 gcagtgtatt ttacagcaat atgtttccac tctcttcctt gtcttcttctc tggaatgggt 960

ttctttttcca ttttcattac caccttttgct tggaaaagaa tggattaatg gattctaaaa 1020
gcctaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacagnancc 1080
c 1081

<210> 461
<211> 1081
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1078)
<223> n equals a,t,g, or c

<400> 461
gctgagcacg ccctctgagc cgctcggtgg acaccaggca ctctagtagg cctggcctac 60
ccagaaacag caggagagag aagaaacagg ccagctgtga gaagccaagg acaccgagtc 120
agtcattggc cctaaggcgg caaagggggc caagccagag ccagcaccag ctccacctcc 180
acccggggcc aaacccgagg aagacaagaa ggacggtaag gagccatcgg acaaacctca 240
aaaggcgggtg caggaccata aggagccatc ggacaaacct caaaaggcgg tgcagcccaa 300
gcacgaagtg ggcacgagga ggggggtgtcg ccgctaccgg tgggaattaa aagacagcaa 360
taaagagttc tggctcttgg ggcacgctga gatcaagatt cggagtttgg gctgcctaata 420
agctgcaatg atactgttgt cctcactcac cgtgcacccc atcttgaggc ttatcatcac 480
catggagata tccttcttca gcttcttcat ctactgtac agctttgcca ttcataagata 540
catacccttc atcctgtggc ccatttctga cctcttcaac gacctgattg cttgtgcgtt 600
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aagaaaccac ttcagaggca agaaggccaa aaagcatatg ctggttcctc ctccaggaaa 780
ggaaaaagga ccccagcagg gcaagggacc agaaccgcc aagccaccag aacctggcaa 840
gccaccaggg ccagcaaagg gaaagaaatg acttgaggga ggctcctggt gtctgaaacg 900
gcagtgtatt ttacagcaat atgtttccac tctcttccct gtcttcttct tggaaatggtt 960
ttcttttcca ttttcattac cacctttgct tggaaaagaa tggattaatg gattctaaaa 1020
gcctaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacagnancc 1080
c 1081

<210> 462
<211> 1006
<212> DNA
<213> Homo sapiens

<400> 462
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tgtgcctggc ctttgtattt ttgtcataca ttttatttcc cagtattata gactccagaa 120
tatgttgttg ttattgtttt aaaagtcagt tatcttctta gttttctttc agaaaaatta 180
aatggtgagt ttttttgttt gtttgtttgt ttgttttgca tggcccatgt atttaccatt 240
cctggtgctc ttccctcttt tgtgtggatt cagttttcca tctagtatca ttttcgttct 300
ggtaaaagca tgtttgacat ttccctgtagt atgcttgcgt gtgacacatt ctccctcagc 360
ttttgtctga aatgccttta tttcaccatc atttttgaag gatgtttttg ctgggtatag 420
aattctaggt tggtagtttt tgttattttt cagcattttt aaggtgacat ttggcttgta 480
catgttgttc ttgagaattc tgcagttatt ctttgttcca ctgtatgtaa taatatatgt 540
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atgatgtgtc tttgtgtggg tttctttgtg gttttttcc tgtggaattt attcaacttc 660
tggtatctgt aggttatagt tttcacaaat tggaaatttt tgacattact tcttcagaca 720
cttttctgt ctcccccctc atcattctgg gatttgaatt acatgtatac agtaactgtt 780
gttgtttcat aggtgactaa ctgggtaggg gaatgtctgg ttcccttact atccggtgaa 840
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aggctagttc cagaaccttt ggtggactgg aaagaggaaa tagttatgcc acaattttta 960
gtacatgcaa atgtacatgt aatgttttaa aaaaaaaaaa aaaaaa 1006

<210> 463
<211> 1160
<212> DNA
<213> Homo sapiens

<400> 463
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accccggtt ctgggacgcg tcaggagaag ggagcactgg ctttgctttc atcaggccaa 120
agatgccttt ytttggaat acgttcagtc cgaagaagac acctcctcgg aagtcggcat 180
ctctctccaa cctgcattct ttggtatgat caaccgggga ggtggagctg ggcttggat 240
acggatcccc gactatgaac ctggcagggc aaagcctgaa gtttgaaaat ggccagtggg 300
tagcagagac aggggttagt ggcggtgtgg accggaggga ggttcagcgc cttcgcaggc 360
ggaaccagca gttggaggaa gagaacaatc tcttgcggct gaaagtggac atcttattag 420
acatgctttc agagtccact gctgaatccc acttaatgga gaaggaactg gatgaactga 480
ggatcagccg gaagagaaaa tgaagacccc agagacattt attggggagt aggatgtggc 540
tgagtgcttt ttttttggcc agactagcgg attcagtcct ggaagagagt atcatataat 600
gagaccaca ggcactggca cccttgggtt ggcaatagaa ggtgacatgg aatggagaaa 660
accaagattc cagatgggga tagtaactag aaggtgcttc agatgcactg cctgcgggtg 720
ccagtctgaa aaccagaccg cacagaggcc tggggctgct gatgagcttt ttggtgctct 780
ccacacacaa gctcgcaaac acacatgtcc cagaatagct ctgttgggtt gtgttgggag 840
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tctctcttct tgccttttaa gaatcctcct tcctcacacc tggcctcctc tggcttcagc 1020
ttctcagcag caagcaccag ccttcacaaa caacactata tttttatgct actttcctgt 1080
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aaaaaaaaaa aaaaaaaaaa 1160

<210> 464
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (440)
<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1210)
 <223> n equals a,t,g, or c

<400> 464
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 atggccagct ggatctgtgt cttctgcacc agcccatctg gatgcagtgc aacctgtctg 120
 gtctgctatc ctgcgttccc ctaactggca ccctcctggg nccagccagc agcaggacat 180
 agaccaaggc caacctcctc cacacccagg gcctctgcct tctacctctt gtggagtctc 240
 cattnaactt gggcattgac agggctgctt gactcaaaac aaccccagcc ctgccctgaa 300
 gccatctcgc cagtcagtca gagctcaaga ytytctcttt ctctggagaa gagcaggaaa 360
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 gcattgaata agtcatttan tccatataaa cctgcaagga gtaggtgata ttgttaacct 480
 cattttatag gcgagaaact gaggcattgt gagttaagt accagcaagt ggaaatctga 540
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 tgggggattt ggagaaccca ctctgccag agatgtaagt catcttkgga watagatgag 780
 acttkttccc cctccccctk aatcccragg cacagctcta tgggaataagc tctagctgga 840
 acttgtaag tttggcccas cctcccttgg gaggctagga gktggggraag agccaggaga 900
 ctcraagtgg tgggtggtagt taatgtctat gtggttagac gttaaccagt tactctgtgg 960
 tgccaggcac tgtcctaggc acgctatagt tatcattgtc tcttttgggtg cccccagaca 1020
 gcccagggtc aagacaggta gcctcagttt acagatgcag cagtggaggc ttgcacaatg 1080
 agtaggtggc tttgttcaaa tcacagacct aggccaggta taaaagccta agtgtggtgt 1140
 aattccagca ctttgggagg ccaaggcggg gagattgctt gagtccagga gtttgacacc 1200
 agcctgggcn acatagttag accctgtctc tacaaaaaaa aaaaaaaaaa aactcgag 1258

<210> 465
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<400> 465
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 aactactata ggcagtgatt ctaagaagat gctattcttt ttttccattg ctttgtctag 120
 tttttttttt ttaaactctgt ttttgtgcct ttgtaattct agggttattg gtatagtctt 180
 caccatatct tgaatacaga tgccttttcc tttggaaata atttctcata aagcacattg 240
 cttatagctg cttccctttt cccagagtag taaaagttgt gatacaagac agtgatatca 300
 gctgggcgtg gtggcacacg cctgtaatcc cagcacgttg ggaggccaag gcaggcagat 360
 cacttgaggc caggagtctg agaccagcct ggccaacatg gtgaatcccc gtctctacta 420
 aaaatacaca caaaaaatta gctgggtgtg gtggtttgtg cctgtagtcc cagctactcg 480
 ggaggctgag gcacgagaat tgcttgaacc agggaggtgg aggttgcagt aagctgagat 540
 tgcaccacta cactccagcc tgggtgacag aacgagactc tgtctcagaa aaaaaaaaaa 600
 agagacaatg atatgaaaag gtcttacctg aatgagtttt acgcatgatt caatctgtaa 660
 gtcctataaa ttattttttg tggatggtat ctattttctt cctattagta gttttgggca 720
 aaaataaatt taactgaatg taaaaatatt cagctctatg gggagctgag aagaactaaa 780
 tatttttcaga cacttggtat gtgcagggtg tttggcatat atttttaaaa atctttataa 840
 taccattttg aattaaattc tatccccatt taacaaatga ggaggtgggt tctattctta 900
 agtaactttc ccaaaatcac tcaattaagt ggcaagggtg ggattttaat cgaagcctat 960
 actctttcac ttgtttccaa agatgccaaa ctcaaatgt ggctaaacag taaatcttga 1020
 gcaaagaaat gatttactag gaagcagcac aatagaacat actggatgta ggaaatgtta 1080
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 <212> DNA
 <213> Homo sapiens

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<210> 467
 <211> 1981
 <212> DNA
 <213> Homo sapiens

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<210> 468
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <211> 776
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (763)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (767)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (772)

<223> n equals a,t,g, or c

<400> 469

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<210> 470

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (713)

<223> n equals a,t,g, or c

<400> 470

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<210> 471

<211> 1860

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (821)

<223> n equals a,t,g, or c

<222> (1853)

<223> n equals a,t,g, or c

<400> 472

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<210> 473

<211> 1947

<212> DNA

<213> Homo sapiens

<400> 473

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<210> 474

<211> 2078

<212> DNA

<213> Homo sapiens

<400> 474

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<210> 475

<211> 1257

<212> DNA

<213> Homo sapiens

<400> 475

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<210> 476

<211> 1504

<212> DNA

<213> Homo sapiens

<400> 476

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<210> 477

<211> 1973

<212> DNA

<213> Homo sapiens

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<210> 479
 <211> 1361
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (903)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1031)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1264)
 <223> n equals a,t,g, or c

<400> 479
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aggnccgagg tcggaggatc acctgaggtc aggagtgtga agccagcctg gccaacatgg 1320
tggaactcca tctctactaa aaaaaaaaaa aaaggcgccg c 1361

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<210> 480
<211> 1921
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1876)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1877)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1897)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1916)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1919)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1921)
<223> n equals a,t,g, or c

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cagcagcgcc aggtgggtgg gagccacat gccccacca tgggagcttg caggtgggct 360
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tattggctta aatctnngaa aaaaaaaaaa aaaaaanacg cgagggggggg cccggnacna 1920
n 1921

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<210> 481
<211> 1211
<212> DNA
<213> Homo sapiens

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<400> 481
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aaaaaaaaaa a 1211

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<210> 482
<211> 820
<212> DNA
<213> Homo sapiens

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<400> 482
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cggcagatga agcgggttata gccattgaca ttgtggccac aggccactgg ccctgggtgg 660
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 aatgtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 820

<210> 483
 <211> 1441
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (269)
 <223> n equals a,t,g, or c

<220>
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 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (421)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1439)
 <223> n equals a,t,g, or c

<400> 483
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 taaataagtc aattcctgga akttgagaga gcaataaag acctgagaac cttccagaaa 1380
 aaaaaaaaaa aaaaactcgg gggtwytttt gggggggccg ggggcccctgg tttttccnc 1440
 c 1441

<210> 484
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 484

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taccagcc ctcagagctc accagatttg tctaagatga cgcaccgaat tcaggctaaa 420
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<211> 1162

<212> DNA

<213> Homo sapiens

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<222> (1144)

<223> n equals a,t,g, or c

<400> 485

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<210> 486

<211> 989

<212> DNA

<213> Homo sapiens

<400> 486

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<210> 487

<211> 1861

<212> DNA

<213> Homo sapiens

<400> 487

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<211> 1187

<212> DNA

<213> Homo sapiens

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<210> 489
 <211> 884
 <212> DNA
 <213> Homo sapiens

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0950002-0910

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<211> 1460
<212> DNA
<213> Homo sapiens

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<211> 2069
<212> DNA
<213> Homo sapiens

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<400> 492
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<211> 1105

<212> DNA

<213> Homo sapiens

<400> 493

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tccaagaat	gctctaaagc	agggctgtcc	caatgttttg	gcttccctgg	gccacttttg	1020
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aactttaaaa	aaaaaaaaaa	aaaaaa				1105

<210> 494
 <211> 1435
 <212> DNA
 <213> Homo sapiens

<400> 494
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 gagaaggtaa agagcctatc ccagacccca cgagtggagg cgtcaggag gggttcttgg 180
 caggagatgg gtcttgtaga aaggcttctg ytttgcttta ctcacggcct gtggcagttt 240
 gctcagacag ctcccatcag gacaccattg gcagcttttg catgaccctg cctcccaggg 300
 tcttcctgcg tttttcctta agttgcctta ttctttgggt gtttccctac ttgtttttgt 360
 tagactgtgg gaggaagaaa tccatttcaa atctgctgaa acctgttacc aagcaacagc 420
 agtgattaaa agcaacctga tgagttagta aagaattagg gtttcagacc tgtagttaat 480
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 tgcttgaacc caggaggtgg aagttcagtg agccgagatc gcacccctgc actccagcct 1380
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<210> 495
 <211> 3342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2005)
 <223> n equals a,t,g, or c

<400> 495
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 ggggtgggggc gccatgtggt tcatgtacct gctgagctgg ctgtcgctct tcatccagg 120
 ggccttcac acgctggctg tcgcggctgg actctattac ctggcagaac tgatagaaga 180
 atacacagtg gccaccagca ggatcataaa atacatgatac tggttctcca ccgctgtact 240
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 caacctcgtc tactttggcc tccctccagac cttccccctc atcatgctga cctcgccata 360
 cttcatcctg tcgtgtggac tagtgggtgg gaatcattac ctagcatttc agttttttgc 420
 agaagaatat tatcccttct cagaggtcct ggcctatttc actttctgcc tgtggataat 480
 tccgtttgcg ttttttgtgt cactttcggc cggggagaac gtccctgcct ctaccatgca 540
 gccaggagat gatgtcgtct ccaattattt caccaaaggc aagcggggca aacgcttagg 600
 gatcctggtt gtcttctcct tcatcaaaga ggccattcta cccagtcgtc agaagatata 660
 ctgaccccca tgcaggcagg atgtgggggg caagatcagg agagtccagg ccctgggcct 720
 ctatgccagg tggggaccag aagtcgggaa ggcacctacc acctgcctg gctttcttcc 780
 cctcaactct ggagcccat cccaccctc cttggggggc tcagcttggc tcagatctga 840
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 cccgctgggg caggcagggc agggctctgt aagcttaaga gcagatggtg acaagttctc 1020
 tgggcaggtg gccatgggga ggggccatgg cttggcatgt ccaacagaaa tagtttttgc 1080

<222> (960)

<223> n equals a,t,g, or c

<400> 496

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tccaagcaac	aagcctccgc	tcctccttcc	tgcaccctgg	ggctcctgaa	actcacatgg	180
gtaaaaaaga	tacagtaaag	acataaatac	cacatttgac	aaatggaaaa	aaaggagtgt	240
ccagaaaaga	gtagcagcag	tgaggaagag	ctgccgagac	gggtatacag	ggagctaccc	300
tgtgtttctg	agaccctctg	tgacatctca	cattttttcc	aagaagatga	tgagacagag	360
gcagagccat	tattgttccg	tgctgttcct	gagtgtcaac	tatctrgggg	ggacattccc	420
agtgtatcag	aagagcagga	atcttcagag	ggacaagatt	caggagacat	ttgctcagaa	480
gagaatcaaa	tagtttcttc	ttatgcttct	aaagtctgtt	ttgagatcga	rgaagattat	540
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caagcaggtg	aggtggacgt	ctcctgggtt	ctcgttgccc	attttaagaa	tgaanggatg	900
gtcctggagc	atccagccc	ggtggagnct	ttctatgctg	tcctggaaaa	gccccagctn	960
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<210> 497

<211> 1054

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (149)

<223> n equals a,t,g, or c

<400> 497

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gaccatgatt	acgccaagct	ctaatacgnc	tcactatagg	gaaagctggg	acgcctgcag	180
gtaccgggtc	ggaattcccc	ggtcgaccca	cgcgtccgag	tgacactact	gacttggctc	240
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cgatgtatga	aatggaggtg	attcattctt	tttatttctt	tttgctccag	tcaatgaaag	360
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aagtaaaatt	ggatgtttcc	agaggctgaa	ttttgcctta	agatgggaamc	tttatttcta	960
aaaaaaaaaa	aaaaaaaaaa	aaaagggcgg	cgcctctaga	ggatccaagc	ttacgtacgc	1020
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<210> 498

<211> 876

<212> DNA

<213> Homo sapiens

0950002-091201

<400> 498
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 aactaaagca tttgtttatg agttgacttg agagaagggc tgatctcaga gccgctttga 180
 gctaagttgg attagtcaca ctagggaagt aattccacac ctttcgtcta agtctcagta 240
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 cctgcaccat gcttcatggg tectgagctc tttctcctgt ttcatttgag cctccaaact 360
 acatatttgg tcatattgcc tgcctacccc atgcctgctg cagaaatatt catccagggt 420
 aaccttgata tacacagaga tgggtcttgg gaattgtgaa tgtatgtact gtattgtcat 480
 caaggatact gtcccttatt tgaaggcatc taaagagaaa ctgttttcag atccaagtgc 540
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 caccgcgttt ttgttatttt gtttctgggt ttttatattg aggtatgttt tagatatagt 720
 ttacaaaaat aaaacgcaca gatttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaatt 780
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaccaaa aaaaaaaaaa 840
 aaaaaaaaaa aaaaaaaaaa aaaaaggggc gccgct 876

<210> 499
 <211> 1827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (601)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (918)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1825)
 <223> n equals a,t,g, or c

<400> 499
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 attgtgggag tggggaataa acctcatctg gggatgggaa ataaacacca ctataaagaa 180
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 tctattggca aktwtyaaga ggcataaact ttaaagaaaa agggaaaatg tgataaatta 420
 atggaataga ctccataggc ttttattcca acttttatat gatgcaagtc tatgtgcttc 480
 tgtctgactc acttatttct gtwatcaaga tgaactagt aagggaattt ctctctcaat 540
 gctaaattaa ttacatgcat tggggatagt catccagaga gagggaagggt gaccttctga 600
 ngttgtcacy cagwaaataa ttgcctgagc tgagaatggc atgtgggtca cagaattggg 660
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acaatatgaa	gtcaaacatt	ccttttgagt	tatttttggt	gacattcctt	ggagaaggca	1800
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<210> 500

<211> 3303

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2355)

<223> n equals a,t,g, or c

<400> 500

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<210> 501
 <211> 1948
 <212> DNA
 <213> Homo sapiens

<400> 501						
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 <212> DNA
 <213> Homo sapiens

<400> 502

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<211> 2085

<212> DNA

<213> Homo sapiens

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 <211> 1497
 <212> DNA
 <213> Homo sapiens

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<222> (1327)

<223> n equals a,t,g, or c

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<211> 1147

<212> DNA

<213> Homo sapiens

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<210> 507
 <211> 781
 <212> DNA
 <213> Homo sapiens

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<220>
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 <222> (764)

TABLE 100-28005660

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<400> 507

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<210> 508

<211> 1346

<212> DNA

<213> Homo sapiens

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<222> (291)

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<220>

<221> SITE

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (425)

<223> n equals a,t,g, or c

<400> 508

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 <211> 1338
 <212> DNA
 <213> Homo sapiens

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<211> 2878

<212> DNA

<213> Homo sapiens

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<220>

<221> SITE

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<212> DNA

<213> Homo sapiens

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 <211> 1065
 <212> DNA
 <213> Homo sapiens

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 35 40 45
 Arg Gly Ser Asp Val Arg Val Lys Met Leu Ala Ala Pro Ile Asn Pro
 50 55 60
 Ser Asp Ile Asn Met Ile Gln Gly Asn Tyr Gly Leu Leu Pro Glu Leu
 65 70 75 80
 Pro Ala Val Gly Gly Asn Glu Gly Val Ala Gln Val Val Ala Val Gly
 85 90 95
 Ser Asn Val Thr Gly Leu Lys Pro Gly Asp Trp Val Ile Pro Ala Asn

100 105 110
 Ala Gly Leu Glu Ser Arg Ser Val Ala Gln Ala Gly Ala Ile Leu Ala
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<210> 517
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Ser Pro

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 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 518
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Phe Lys Met Glu Ser Leu Pro Pro Thr Ser Leu Thr Pro Phe Leu Leu
 35 40 45

Cys Leu Phe Phe Leu Pro Ser Leu Pro Leu Val Ser Pro Leu Pro Pro
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Ser Leu Phe Pro Ser Phe Leu Ile Ser Phe Ser Phe Leu Pro
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<210> 519
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 <212> PRT

<213> Homo sapiens

<400> 519

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Arg Thr Thr Pro Arg Lys Lys Ile Ser
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<212> PRT

<213> Homo sapiens

<400> 520

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Thr Thr Cys Gly Arg Leu Met Ser Leu
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<211> 139

<212> PRT

<213> Homo sapiens

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20 25 30

Val Leu His Ser Ser Trp Gln Gly Gly Glu Gly Trp Gly Trp Phe Gly
35 40 45

Trp Val Arg Gly Phe Phe Leu Cys Val Arg Cys Cys Tyr Leu Thr Val
50 55 60

Leu Arg Pro Tyr Trp Pro Phe Ser Ser Ser Ser Tyr Leu Tyr Gly Thr
65 70 75 80

Ser Asn Lys Asp Thr His Phe Arg Pro Gly Lys Lys Lys Lys Lys Lys
85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
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<210> 522
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 522
 Met Leu Met Met Gly Thr Leu Val Leu Ile Leu Leu His Asp Val Ile
 1 5 10 15
 Val Thr Phe Thr Glu Phe Tyr Asn Ala Gln Asn Leu Lys Trp
 20 25 30

<210> 523
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 523
 Phe Leu Leu Ser Phe Cys Ala Phe Pro Cys Val Phe Met Phe Trp Val
 1 5 10 15
 Ser Val Leu His
 20

<210> 524
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 524
 Met Ile Tyr Leu Ser Ile Tyr Leu Leu Val Asn Ile Leu Ala Val Ser
 1 5 10 15
 Asn Ser Trp Pro Ser
 20

<210> 525
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 525
 Met Pro Trp Cys Leu Leu Pro Leu Cys Leu His Ile Leu Cys Val Ser
 1 5 10 15
 Ala

<210> 526
 <211> 55
 <212> PRT

<213> Homo sapiens

<400> 526

Met Val Leu Ala Ile Phe Gln Asn Ala Leu Ser Phe Thr Ile Ser Ala
1 5 10 15

Leu Leu Phe Ile Leu Ser Phe Tyr Phe Gly Thr Ala Ala Leu Trp Leu
20 25 30

Phe Ile Cys Gln Asn Cys His Phe Leu Ser Ile Gln Leu Leu Cys Pro
35 40 45

Leu Phe His Glu Ser Pro Asn
50 55

<210> 527

<211> 11

<212> PRT

<213> Homo sapiens

<400> 527

Met His Gln Pro Leu Cys Ile Tyr Cys Phe Ser
1 5 10

<210> 528

<211> 54

<212> PRT

<213> Homo sapiens

<400> 528

Met Thr Glu Asn Pro Lys Val Gln Met Met Leu Ile Ile Val Val Pro
1 5 10 15

Leu Gln Leu Phe Ile Asn Pro Val Gln His Pro Ile Gln Gln Val Arg
20 25 30

Cys Ile His Leu His Leu Cys His Gly Trp Ala Leu Asp Arg Leu Ala
35 40 45

Leu Glu Leu Val Cys Leu
50

<210> 529

<211> 10

<212> PRT

<213> Homo sapiens

<400> 529

Met Thr Arg Cys Leu Trp Arg Thr Leu Gln
1 5 10

<210> 530

<211> 13

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<212> PRT
<213> Homo sapiens

<400> 530
Met Lys Thr Thr Cys Leu Ser Ser Thr Leu Val Arg Met
1 5 10

<210> 531
<211> 38
<212> PRT
<213> Homo sapiens

<400> 531
Val Leu Leu Ile Leu Lys Leu Leu Leu Lys Gly Ala Arg Ser Ile
1 5 10 15
Gln Ile Phe Met Phe Arg Cys Leu Ile Ala Phe Ala Leu Ile Thr Lys
20 25 30
Leu Gln Asn Tyr Met Asp
35

<210> 532
<211> 94
<212> PRT
<213> Homo sapiens

<400> 532
Met Arg Thr Ile Tyr Ser Ala Phe Phe Phe Leu Ser Leu Cys Leu Ser
1 5 10 15
Val Leu Leu Ser Ser Thr Val Phe Asp Asp Trp His Pro Ile Ser Ile
20 25 30
Ser Trp Val Gln Asn Phe Gly Leu Thr Pro Ser Phe Asp Val Gln Val
35 40 45
Pro Gln Thr Leu Arg Cys Phe Phe Arg Ser Gly Cys Arg Trp His Pro
50 55 60
Leu Asn Leu Leu Gln Phe Lys Leu Ser Thr Phe Leu Arg Ile Ile Ser
65 70 75 80
Phe Tyr Leu Ser Phe Cys Ser Glu Lys Arg Leu Gln His Glu
85 90

<210> 533
<211> 359
<212> PRT
<213> Homo sapiens

<400> 533
Met Met Val Ile Phe Leu Val Gly Leu Val Ser Met Ile Leu Met Arg
1 5 10 15

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Thr Leu Arg Lys Asp Tyr Ala Arg Tyr Ser Lys Glu Glu Glu Met Asp
 20 25 30
 Asp Met Asp Arg Asp Leu Gly Asp Glu Tyr Gly Trp Lys Gln Val His
 35 40 45
 Gly Asp Val Phe Arg Pro Ser Ser His Pro Leu Ile Phe Ser Ser Leu
 50 55 60
 Ile Gly Ser Gly Cys Gln Ile Phe Ala Val Ser Leu Ile Val Ile Ile
 65 70 75 80
 Val Ala Met Ile Glu Asp Leu Tyr Thr Glu Arg Gly Ser Met Leu Ser
 85 90 95
 Thr Ala Ile Phe Val Tyr Ala Ala Thr Ser Pro Val Asn Gly Tyr Phe
 100 105 110
 Gly Gly Ser Leu Tyr Ala Arg Gln Gly Gly Arg Arg Trp Ile Lys Gln
 115 120 125
 Met Phe Ile Gly Ala Phe Leu Ile Pro Ala Met Val Cys Gly Thr Ala
 130 135 140
 Phe Phe Ile Asn Phe Ile Ala Ile Tyr Tyr His Ala Ser Arg Ala Ile
 145 150 155 160
 Pro Phe Gly Thr Met Val Ala Val Cys Cys Ile Cys Phe Phe Val Ile
 165 170 175
 Leu Pro Leu Asn Leu Val Gly Thr Ile Leu Gly Arg Asn Leu Ser Gly
 180 185 190
 Gln Pro Asn Phe Pro Cys Arg Val Asn Ala Val Pro Arg Pro Ile Pro
 195 200 205
 Glu Lys Lys Trp Phe Met Glu Pro Ala Val Ile Val Cys Leu Gly Gly
 210 215 220
 Ile Leu Pro Phe Gly Ser Ile Phe Ile Glu Met Tyr Phe Ile Phe Thr
 225 230 235 240
 Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val Tyr Gly Phe Met Met Leu
 245 250 255
 Val Leu Val Ile Leu Cys Ile Val Thr Val Cys Val Thr Ile Val Cys
 260 265 270
 Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr Arg Trp Gln Trp Thr Ser
 275 280 285
 Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr Val Tyr Met Tyr Ser Phe
 290 295 300
 Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr Gly Leu Phe Gln Thr Ser
 305 310 315 320
 Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser Thr Ala Leu Gly Ile Met
 325 330 335
 Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser Ala Phe Val Arg Lys Ile

340

345

350

Tyr Thr Asn Val Lys Ile Asp
355

<210> 534
<211> 38
<212> PRT
<213> Homo sapiens

<400> 534
Met Arg Thr Glu Val Gly Ala Gln Arg Ala Cys Ala Val Arg Cys Val
1 5 10 15
Leu Ala Leu Gly Ala Val Val Ser Leu Leu Val Pro Pro Thr Pro Ala
20 25 30
Leu Ser Ser Ile Pro Ser
35

<210> 535
<211> 1167
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (429)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (435)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (437)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (444)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (447)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (452)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (588)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (832)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 535

Val	Glu	Leu	Pro	Phe	Val	Thr	His	Leu	Phe	Leu	Pro	Leu	Val	Phe	Leu
1				5					10					15	

Thr	Gly	Leu	Cys	Ser	Pro	Phe	Asn	Leu	Asp	Glu	His	His	Pro	Arg	Leu
			20					25					30		

Phe	Pro	Gly	Pro	Pro	Glu	Ala	Glu	Phe	Gly	Tyr	Ser	Val	Leu	Gln	His
		35					40					45			

Val	Gly	Gly	Gly	Gln	Arg	Trp	Met	Leu	Val	Gly	Ala	Pro	Trp	Asp	Gly
	50					55					60				

Pro	Ser	Gly	Asp	Arg	Arg	Gly	Asp	Val	Tyr	Arg	Cys	Pro	Val	Gly	Gly
65					70					75					80

Ala	His	Asn	Ala	Pro	Cys	Ala	Lys	Gly	His	Leu	Gly	Asp	Tyr	Gln	Leu
				85					90					95	

Gly	Asn	Ser	Ser	His	Pro	Ala	Val	Asn	Met	His	Leu	Gly	Met	Ser	Leu
			100					105					110		

Leu	Glu	Thr	Asp	Gly	Asp	Gly	Gly	Phe	Met	Ala	Cys	Ala	Pro	Leu	Trp
		115					120					125			

Ser	Arg	Ala	Cys	Gly	Ser	Ser	Val	Phe	Ser	Ser	Gly	Ile	Cys	Ala	Arg
	130					135					140				

Val	Asp	Ala	Ser	Phe	Gln	Pro	Gln	Gly	Ser	Leu	Ala	Pro	Thr	Ala	Gln
145					150					155					160

Arg	Cys	Pro	Thr	Tyr	Met	Asp	Val	Val	Ile	Val	Leu	Asp	Gly	Ser	Asn
				165					170					175	

Ser	Ile	Tyr	Pro	Trp	Ser	Glu	Val	Gln	Thr	Phe	Leu	Arg	Arg	Leu	Val
			180					185					190		

Gly	Lys	Leu	Phe	Ile	Asp	Pro	Glu	Gln	Ile	Gln	Val	Gly	Leu	Val	Gln
		195					200					205			

Tyr	Gly	Glu	Ser	Pro	Val	His	Glu	Trp	Ser	Leu	Gly	Asp	Phe	Arg	Thr
	210					215					220				

Lys	Glu	Glu	Val	Val	Arg	Ala	Ala	Lys	Asn	Leu	Ser	Arg	Arg	Glu	Gly
225					230					235					240

Arg	Glu	Thr	Lys	Thr	Ala	Gln	Ala	Ile	Met	Val	Ala	Cys	Thr	Glu	Gly
				245					250					255	

Phe	Ser	Gln	Ser	His	Gly	Gly	Arg	Pro	Glu	Ala	Ala	Arg	Leu	Leu	Val
			260					265					270		

Val	Val	Thr	Asp	Gly	Glu	Ser	His	Asp	Gly	Glu	Glu	Leu	Pro	Ala	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

275 280 285
 Leu Lys Ala Cys Glu Ala Gly Arg Val Thr Arg Tyr Gly Ile Ala Val
 290 295 300
 Leu Gly His Tyr Leu Arg Arg Gln Arg Asp Pro Ser Ser Phe Leu Arg
 305 310 315 320
 Glu Ile Arg Thr Ile Ala Ser Asp Pro Asp Glu Arg Phe Phe Phe Asn
 325 330 335
 Val Thr Asp Glu Ala Ala Leu Thr Asp Ile Val Asp Ala Leu Gly Asp
 340 345 350
 Arg Ile Phe Gly Leu Glu Gly Ser His Ala Glu Asn Glu Ser Ser Phe
 355 360 365
 Gly Leu Glu Met Ser Gln Ile Gly Phe Ser Thr His Arg Leu Lys Asp
 370 375 380
 Gly Ile Leu Phe Gly Met Val Gly Ala Tyr Asp Trp Gly Gly Ser Val
 385 390 395 400
 Leu Trp Leu Glu Gly Gly His Arg Leu Phe Pro Pro Arg Met Ala Leu
 405 410 415
 Glu Asp Glu Phe Pro Pro Ala Leu Gln Asn His Ala Xaa Tyr Leu Gly
 420 425 430
 Tyr Ser Xaa Ser Xaa Met Leu Leu Arg Gly Gly Xaa Arg Leu Xaa Leu
 435 440 445
 Ser Gly Ala Xaa Arg Phe Arg His Arg Gly Lys Val Ile Ala Phe Gln
 450 455 460
 Leu Lys Lys Asp Gly Ala Val Arg Val Ala Gln Ser Leu Gln Gly Glu
 465 470 475 480
 Gln Ile Gly Ser Tyr Phe Gly Ser Glu Leu Cys Pro Leu Asp Thr Asp
 485 490 495
 Arg Asp Gly Thr Thr Asp Val Leu Leu Val Ala Ala Pro Met Phe Leu
 500 505 510
 Gly Pro Gln Asn Lys Glu Thr Gly Arg Val Tyr Val Tyr Leu Val Gly
 515 520 525
 Gln Gln Ser Leu Leu Thr Leu Gln Gly Thr Leu Gln Pro Glu Pro Pro
 530 535 540
 Gln Asp Ala Arg Phe Gly Phe Ala Met Gly Ala Leu Pro Asp Leu Asn
 545 550 555 560
 Gln Asp Gly Phe Ala Asp Val Ala Val Gly Ala Pro Leu Glu Asp Gly
 565 570 575
 His Gln Gly Ala Leu Tyr Leu Tyr His Gly Thr Xaa Ser Gly Val Arg
 580 585 590
 Pro His Pro Ala Gln Arg Ile Ala Ala Ala Ser Met Pro His Ala Leu
 595 600 605

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<210> 537
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 537
 Gly Tyr Ser
 1

<210> 538
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Asp Lys Cys Leu Ile Ile Leu Cys Ile Phe Leu Leu Phe Val Lys
 1 5 10 15
 Gln Leu Ile Ile Phe Lys Thr Ile Leu Lys Gly Met Lys Val Gly Ile
 20 25 30
 Thr Gly Arg Gln Leu Ser Ile Arg Tyr Lys Asp Glu Phe Ser Ser Arg
 35 40 45
 Val Arg Cys Asn Lys Asp Ile Ala Thr Leu Tyr Pro Tyr Val Tyr Thr
 50 55 60
 Ser Asn Phe Tyr
 65

<210> 539
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 539
 Met Leu Leu Phe Trp Ala Ile Phe Ala Ser Tyr Val Ser Ile Gln Ser
 1 5 10 15
 Met His Phe Arg Cys Cys Gly Arg Glu Ile Phe Gly Gly Ala Gly Thr
 20 25 30
 Ser Lys Thr Gly Ile Xaa Leu Lys Ser Gln
 35 40

<210> 540
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 540

Met Val Gly Asn Ala Phe Leu Trp Leu Phe Val His Leu Glu Ser Val
 1 5 10 15

Tyr Val Gln Leu Ser Ser Ala Ile Ser Trp Ala Met Gly Asn Ile Ser
 20 25 30

Val Lys Thr Asn Phe
 35

<210> 541

<211> 17

<212> PRT

<213> Homo sapiens

<400> 541

Met Thr Cys Phe Cys Gln Ile Lys Tyr Arg Tyr His Trp Gly Phe Leu
 1 5 10 15

Phe

<210> 542

<211> 42

<212> PRT

<213> Homo sapiens

<400> 542

Met Glu Lys Leu Leu Gln His Leu Gly Val Val Phe Leu Leu Asp Ile
 1 5 10 15

Cys Arg Ser Tyr Leu Lys Val Thr Arg Asn Pro Glu Leu Ser Ile Cys
 20 25 30

Glu Ala Ile Ser Ala Asn Ala Glu Leu Thr
 35 40

<210> 543

<211> 19

<212> PRT

<213> Homo sapiens

<400> 543

Met Tyr Ala Phe Leu Gln Gly Phe Ile Phe Leu Leu Leu Phe Phe Phe
 1 5 10 15

Ile Ala Glu

<210> 544

<211> 124

<212> PRT

<213> Homo sapiens

<400> 544

Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
 1 5 10 15

Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
 20 25 30

Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
 35 40 45

Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
 50 55 60

Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
 65 70 75 80

Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu
 85 90 95

Ser Leu His Gln Leu Phe Glu Gly Glu Ser Glu Thr Glu Ser Phe Tyr
 100 105 110

Gly Phe Glu Glu Ala Asp Leu Asp Leu Met Glu Ile
 115 120

<210> 545

<211> 29

<212> PRT

<213> Homo sapiens

<400> 545

Met Lys Ser Val Leu Ser Ile Cys Ser Phe Leu Gly Cys Ala Leu Ser
 1 5 10 15

Ala Val Ser Lys Lys Ser Leu Pro Asn Gln Arg Leu Gln
 20 25

<210> 546

<211> 29

<212> PRT

<213> Homo sapiens

<400> 546

Met Lys Ser Val Leu Ser Ile Cys Ser Phe Leu Gly Cys Ala Leu Ser
 1 5 10 15

Ala Val Ser Lys Lys Ser Leu Pro Asn Gln Arg Leu Gln
 20 25

<210> 547

<211> 2

<212> PRT

<213> Homo sapiens

<400> 547

Gly Ala

1

<210> 548

<211> 76

<212> PRT

<213> Homo sapiens

<400> 548

Leu Val Pro Leu Leu Pro Gly Pro Leu Val Arg Phe Cys Phe Cys Leu
 1 5 10 15

His Val Gly Val Gly Ser Ser Val Gly Gly Gly Ala Pro Cys Pro Gly
 20 25 30

Cys Arg Pro Ala Ser Cys Ala Arg Ala Pro Phe Arg Val Gly Leu Asp
 35 40 45

His Pro Ser Pro His Gln Gly Pro His Cys Glu Val Ile Thr Ala Leu
 50 55 60

Asn Pro Pro Leu Leu Phe Tyr Leu Leu Asn Leu Ile
 65 70 75

<210> 549

<211> 58

<212> PRT

<213> Homo sapiens

<400> 549

Glu Phe Phe Leu Phe Ser Leu Ser Phe Ser Leu Leu Pro Ser Cys Leu
 1 5 10 15

Ser Phe Ser Pro Phe Phe Ser Leu Pro Phe Pro Ser Pro Pro Ser Leu
 20 25 30

Pro Pro Ser Leu Pro Ser Phe Leu Pro Ser Phe Leu Val Leu Phe Cys
 35 40 45

Asn Pro Gly Cys Ser Ala Met Ala Lys Ser
 50 55

<210> 550

<211> 203

<212> PRT

<213> Homo sapiens

<400> 550

Met Gly Ile Lys Thr Ala Leu Pro Ala Ala Glu Leu Gly Leu Tyr Ser
 1 5 10 15

Leu Val Leu Ser Gly Ala Leu Ala Tyr Ala Gly Arg Gly Leu Leu Glu
 20 25 30

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Ala Ser Gln Asp Gly Ala His Arg Lys Ala Phe Arg Glu Ser Val Arg
35 40 45

Pro Gly Trp Glu Tyr Ile Gly Arg Lys Met Asp Val Ala Asp Phe Glu
50 55 60

Trp Val Met Trp Phe Thr Ser Phe Arg Asn Val Ile Ile Phe Ala Leu
65 70 75 80

Ser Gly His Val Leu Phe Ala Lys Leu Cys Thr Met Val Ala Pro Lys
85 90 95

Leu Arg Ser Trp Met Tyr Ala Val Tyr Gly Ala Leu Ala Val Met Gly
100 105 110

Thr Met Gly Pro Trp Tyr Leu Leu Leu Leu Gly His Cys Val Gly
115 120 125

Leu Tyr Val Ala Ser Leu Leu Gly Gln Pro Trp Leu Cys Leu Gly Leu
130 135 140

Gly Leu Ala Ser Leu Ala Ser Phe Lys Met Asp Pro Leu Ile Ser Trp
145 150 155 160

Gln Ser Gly Phe Val Thr Gly Thr Phe Asp Leu Gln Glu Val Leu Phe
165 170 175

His Gly Gly Ser Ser Phe Thr Cys Cys Val Ala Pro Ala Leu His Trp
180 185 190

Arg Ala Val Pro Thr Leu Thr Ala Thr Thr Pro
195 200

<210> 551
<211> 136
<212> PRT
<213> Homo sapiens

<400> 551
Met Ala Gly Trp Gly Leu Val Asp Val Ser Gly Ala Pro Glu Pro Trp
1 5 10 15

Arg Ile Pro His Gly Ile Pro Leu Pro Ala Leu Ser Gly Leu Cys Gly
20 25 30

Val Arg Arg Ser Pro Ser Ser Arg Phe Ser Phe Phe Pro Pro Gln Gln
35 40 45

Arg Asn Trp Arg Lys Asp Ile Lys Leu Ser Ala Val Asp Leu Ser Ala
50 55 60

Glu Ile Phe Pro Glu Ser Met Val Val Leu Asn Tyr Leu His Val Ser
65 70 75 80

Ser Ile Phe Asn Ser Gly Val Gly Leu Phe Leu Ile Ser Ser Gln Lys
85 90 95

Cys Ser Ala Leu Gly Glu Gly Thr Ser Pro Leu Ala Cys His Phe Pro
100 105 110

Gly Val Leu Tyr His Phe Asp Gly Thr Leu Trp Ser Ala Glu Asn Ala
 115 120 125

Leu Ser Trp His Ala Ser Arg Leu
 130 135

<210> 552
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 552
 Met Phe Ser Cys Phe Ser Leu Val Val Phe Ile Leu Phe Ser Leu Gly
 1 5 10 15

Phe Phe Cys Asn Ala Phe Val Gln Leu Ile Leu Ser Cys
 20 25

<210> 553
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 553
 Val Lys Val Leu Trp Leu Ile Leu Phe Ile Leu Ser Cys Ser Leu Ala
 1 5 10 15

Gly Tyr Trp Gln Thr Gln Ser Phe Cys Phe His Lys Glu Leu Met Lys
 20 25 30

Arg Thr Ile Gly Glu Thr His Val Cys Leu
 35 40

<210> 554
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 554
 Met Ile Ser Met Cys Gln Met Leu Arg Thr Thr Val Met Thr His Leu
 1 5 10 15

Trp Ile Val Thr Trp Ile Gln Arg Ser Trp Gln Glu Ser Gly Asp Ile
 20 25 30

Arg Val

<210> 555
 <211> 23
 <212> PRT
 <213> Homo sapiens

FOOTED "E3005660

Asn Thr Asn Pro Glu Pro Gln Phe Gln Thr Glu Ala Thr Gly Pro Ser
 500 505 510
 Ala His Glu Glu Thr Ser Thr Arg Asp Ser Ala Leu Gln Asp Thr Asp
 515 520 525
 Asp Ser Asp Asp Asp Pro Val Leu Ile Pro Gly Ala Arg Tyr Arg Ala
 530 535 540
 Gly Pro Gly Asp Arg Arg Ser Ala Val Ala Arg Ile Gln Glu Phe Phe
 545 550 555 560
 Arg Arg Arg Lys Glu Arg Lys Glu Met Glu Glu Leu Asp Thr Leu Asn
 565 570 575
 Ile Arg Arg Pro Leu Val Lys Met Val Tyr Lys Gly His Arg Asn Ser
 580 585 590
 Arg Thr Met Ile Lys Glu Ala Asn Phe Trp Gly Ala Asn Phe Val Met
 595 600 605
 Ser Gly Ser Asp Cys Gly His Ile Phe Ile Trp Asp Arg His Thr Ala
 610 615 620
 Glu His Leu Met Leu Leu Glu Ala Asp Asn His Val Val Asn Cys Leu
 625 630 635 640
 Gln Pro His Pro Phe Asp Pro Ile Leu Ala Ser Ser Gly Ile Asp Tyr
 645 650 655
 Asp Ile Lys Ile Trp Ser Pro Leu Glu Glu Ser Arg Ile Phe Asn Arg
 660 665 670
 Lys Leu Ala Asp Glu Val Ile Thr Arg Asn Glu Leu Met Leu Glu Glu
 675 680 685
 Thr Arg Asn Thr Ile Thr Val Pro Ala Ser Phe Met Leu Arg Met Leu
 690 695 700
 Ala Ser Leu Asn His Ile Arg Ala Asp Arg Leu Glu Gly Asp Arg Ser
 705 710 715 720
 Glu Gly Ser Gly Gln Glu Asn Glu Asn Glu Asp Glu Glu
 725 730

<210> 558
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 558
 Met Ala Gln Gln Asp Pro Gly Leu Pro Phe Leu Phe Trp Phe Ser Val
 1 5 10 15

Ala Ser Leu Ile Thr Leu Phe His Leu Phe Leu Phe Lys Leu Ser Phe
 20 25 30

Gly Gly Leu Gln Phe Thr Glu Asn His Leu Gln Phe Gln Ala Asp Pro

35 40 45
 Asp Val Leu His Asn Ser Tyr Ala Leu His Gly Ile Arg Tyr Lys Asn
 50 55 60
 Asp His Ile Asn Leu Ala Val Leu Ala Asp Ala Glu Gly Lys Pro Tyr
 65 70 75 80
 Leu His Val Ser Val Glu Ser Arg Gly Gln Pro Val Lys Ile Tyr Ala
 85 90 95
 Cys Lys Gln Ala Ala Trp Thr Ser Gln Trp Ser
 100 105

<210> 559
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 559
 Ser Cys Phe Asn Leu Leu Gly Thr
 1 5

<210> 560
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 560
 Met Asn Ala Ala Val Leu Leu Thr Leu Val Phe Phe Leu Leu Leu Tyr
 1 5 10 15

Leu Phe Tyr Leu Gly Val Leu Gly Ser Asp Pro Ala Tyr Leu Pro Leu
 20 25 30

Leu Lys Lys Ser
 35

<210> 561
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 561
 Lys Ser Ile Leu Gly Ser His Ser
 1 5

<210> 562
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 562

Leu Leu Ile Thr Ile Leu Leu Gly Leu Tyr Phe Thr Leu Leu Gln Ala
 1 5 10 15
 Ser Glu Tyr Phe Glu Ser Pro Phe Thr Ile Ser Asp Gly Ile Tyr Gly
 20 25 30
 Ser Thr Phe Phe Val Ala Thr Gly Phe His Gly Leu His Val Ile Ile
 35 40 45
 Gly Ser Thr Phe Leu Thr Ile Cys Phe Ile Arg Gln Leu Ile Phe His
 50 55 60
 Phe Thr Ser Lys His His Phe Gly Phe Glu Ala Ala Ala
 65 70 75

<210> 563
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 563
 Met Ile Ser Met Lys Met Ile Leu Val Ile Leu Val Thr Leu Ala Leu
 1 5 10 15
 Pro Val Ala Gln Leu His Leu Leu Leu Leu Val Leu Lys Ile Gln
 20 25 30

<210> 564
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 564
 Phe Pro Tyr Ser
 1

<210> 565
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 565
 Met Val Phe Ser Cys His Leu Leu Phe Leu Ile Arg Cys Leu Tyr Ser
 1 5 10 15
 Cys Gly His Leu Ser Ser Thr Leu Gln His Ile Ile
 20 25

<210> 566
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 566

Met Pro Leu Val Tyr Pro Val Cys Leu Leu Leu Ile Cys Phe His Leu
 1 5 10 15

Ser Phe Ile Glu Glu Asp Pro Phe Met Ile Leu Asn Thr Phe His
 20 25 30

<210> 567

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 567

Met Val Cys Thr Tyr Phe Leu Pro Phe Cys Asn Val Phe Leu Cys Leu
 1 5 10 15

Leu Phe Leu Trp Leu Cys Arg Ser Phe Phe Ile Cys Cys Asn Leu Ile
 20 25 30

Phe Xaa Ser Leu Leu Phe Leu Leu Val Leu Leu Glu Ser Tyr Pro Lys
 35 40 45

Asn His Cys Pro Val Gln Ser Gln Glu Thr Phe Pro Tyr Ile Phe Phe
 50 55 60

Ser Ser Phe Ile Ile Leu Gly Leu Thr Cys Lys Ser Leu Ile Gln Phe
 65 70 75 80

Glu Leu Ile Phe Val Tyr Gly Val Arg
 85

<210> 568

<211> 94

<212> PRT

<213> Homo sapiens

<400> 568

Met Asp Ile Lys Asn Ile Thr Cys Ser Met Lys Ile Thr Trp Tyr Ile
 1 5 10 15

Leu Val Leu Leu Val Phe Ile Phe Leu Ile Ile Leu Thr Ile Arg Lys
 20 25 30

Ile Leu Glu Gly Gln Arg Arg Val Gln Lys Trp Gln Ser His Arg Asp
 35 40 45

Lys Pro Thr Ser Val Leu Leu Arg Gly Ser Asp Ser Glu Lys Leu Arg
 50 55 60

Ala Leu Asn Val Gln Val Leu Ser Ala Glu Thr Gln Arg Leu Pro
 65 70 75 80

FOOTNOTES

Leu Asp Gln Val Gln Glu Val Leu Pro Pro Ile Pro Glu Leu
 85 90

<210> 569
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 569
 Met Ala Arg Asn Val Trp Phe Phe Ile Val Ser Phe Cys Tyr Lys Phe
 1 5 10 15

Leu Ser Tyr Phe Arg Ala Ser Ser Thr Leu Lys Val
 20 25

<210> 570
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 570
 Met Pro Leu Pro Ser Ser Gly Gln Phe
 1 5

<210> 571
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 571
 Met Leu Ala Trp Gln His Phe Gln Ile Ala Phe Cys Leu Leu Gly Ser
 1 5 10 15

Trp Gly Phe Gly Gly Arg Gly Ser Ile Ser Thr Leu His Glu Ile Ala
 20 25 30

Tyr Phe Ile Met Met Glu Leu Leu Phe Leu Leu Ser Cys Asp Phe Phe
 35 40 45

Phe

<210> 572
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 572
 Leu Ala Ser Gly Pro Gly Ala Thr Leu Arg Cys Leu Val Trp Leu Trp
 1 5 10 15

Ser Leu Ser Leu Arg Ala Leu Leu Pro Leu Ser His Ala Val Trp Trp
 20 25 30

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<210> 576
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 576
 Met Ala Leu Arg Leu Ala Arg Met Trp Leu Ser Ser Leu Ala Ser Val
 1 5 10 15

<210> 577
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 577
 Ile
 1

<210> 578
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 578
 Ala His Val Val Val Val Val Leu Trp Trp Glu Phe Ala Ala Val Gln
 1 5 10 15

Thr Leu Trp Pro Gly Lys Ser Lys Phe Leu Gln Asp Gly Phe Thr Ala
 20 25 30

Ser Leu Asp
 35

<210> 579
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 579
 Met Leu Phe Ile Ser Asn Leu Pro Leu Pro Ser Gln Phe Ile Tyr Leu
 1 5 10 15

Ala Ser Asp Ser Phe Phe Ser Ser Pro Thr Pro Phe Ser Ser Thr Ser
 20 25 30

Gln Pro Thr Asn Thr Tyr Ser Leu

35

40

<210> 580
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 580
 Met Gln Gly Val Ile Leu Leu Leu Phe Ala Lys Tyr Tyr His Leu Pro
 1 5 10 15
 Phe Leu Arg Asp Val Gln Thr Asp Cys Thr Arg Thr Gly Leu Gly Gly
 20 25 30
 Tyr Trp Gly Asn Lys Gly Gly Val Ser Val Arg Leu Ala Ala Phe Gly
 35 40 45
 His Met Leu Cys Phe Leu Asn Cys His Leu Pro Ala His Met Asp Lys
 50 55 60
 Ala Glu Gln Arg Lys Asp Asn Phe Gln Thr Ile Leu Ser Leu Gln Gln
 65 70 75 80
 Phe Gln Gly Pro Gly Ala Gln Gly Ile Leu Asp His Asp Leu Val Phe
 85 90 95
 Trp Phe Gly Asp Leu Asn Phe Arg Ile Glu Ser Tyr Asp Leu His Phe
 100 105 110
 Val Lys Phe Ala Ile Asp Ser Asp Gln Leu His Gln Leu Trp Glu Lys
 115 120 125
 Asp Gln Leu Asn Met Ala Lys Asn Thr Trp Pro Ile Leu Lys Gly Phe
 130 135 140
 Gln Glu Gly Pro Leu Asn Phe Ala Pro Thr Phe Lys Phe Asp Val Gly
 145 150 155 160
 Thr Asn Lys Tyr Asp Thr Ser Ala Lys Lys Arg Lys Pro Ala Trp Thr
 165 170 175
 Asp Arg Ile Leu Trp Lys Val Lys Ala Pro Gly Gly Gly Pro Ser Pro
 180 185 190
 Ser Gly Arg Lys Ser His Arg Leu Gln Val Thr Gln His Ser Tyr Arg
 195 200 205
 Ser His Met Glu Tyr Thr Val Ser Asp His Lys Pro Val Xaa Ala Gln
 210 215 220
 Phe Leu Leu Gln Phe Ala Phe Gln Gly Arg His Ala Thr Gly Ala Ala
 225 230 235 240
 Gly Gly Gly Gln Met Ser Gly Cys Gly Pro Ser Arg Arg Trp

245

250

<210> 581
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 581
 Val Gln Thr Tyr Val Val Leu Leu His Phe Ala Leu Ser Cys Phe Ala
 1 5 10 15
 Asp Ile Val Phe Phe Thr Asn
 20

<210> 582
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 582
 Tyr Leu Leu Lys Ile Ser Leu Phe Leu Gly Ala Val Tyr Val Thr Leu
 1 5 10 15
 His Ser Ser Gly Ser Cys His Val Phe Met Ser Glu Tyr Phe Trp Phe
 20 25 30

<210> 583
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 583
 Lys Ala Ile Trp Phe Leu Ile Leu Cys Thr Thr His Ser Ile Leu Ile
 1 5 10 15
 Ile Thr Phe Ile Tyr Lys Lys Asn Lys Glu Asn Asn Ser Lys Leu Cys
 20 25 30

<210> 584
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 584
 Met Thr Asn Tyr Phe Trp Ala Ser Ala Ser Ser Cys Thr Val Phe Pro
 1 5 10 15

Leu Ala Phe Leu Cys Ser Ser Cys Val Gly Pro Pro Ser Phe Ser Cys
 20 25 30

Ala His His Ile Leu His Gln Glu Ser Trp His Leu Phe Phe Ser Ser
 35 40 45

Ala Trp Asn Ala Phe Leu Cys
 50 55

<210> 585

<211> 55

<212> PRT

<213> Homo sapiens

<400> 585

Met Trp Ala Leu Lys Ser Leu Phe Leu Leu Thr Pro Ser Pro Val Ile
 1 5 10 15

Arg Phe Tyr Phe Ala Ala Leu Trp Ile Arg Ala Ala Gly Arg Leu Leu
 20 25 30

Gly Gly Gly Gly Ser Pro Thr Pro Pro Thr Ser Leu Ala Pro Gly Phe
 35 40 45

Ser Glu Ala Gly Gly Leu Cys
 50 55

<210> 586

<211> 23

<212> PRT

<213> Homo sapiens

<400> 586

Val Gly His Phe Trp Val Val Ile Trp Leu Val Arg Ser Met Ser Asp
 1 5 10 15

Arg Met Asn Lys Asn Ala Leu
 20

<210> 587

<211> 43

<212> PRT

<213> Homo sapiens

<400> 587

Met Gly Ile Phe Asp Tyr Lys Leu Phe Ser His Tyr Phe Lys Ala Cys
 1 5 10 15

Phe Ile Phe Phe Leu Ile Leu Leu Thr His Leu Cys Leu Ser Leu Phe
 20 25 30

Tyr Tyr Lys Leu Phe Ile Val Gln Ser Leu Pro
 35 40

FOOTNOTES

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<400> 588
Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
  1                               10                      15

Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
      20                               25                      30

Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
      35                               40                      45

Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
      50                               55                      60

Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
  65                               70                      75                      80

Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
      85                               90                      95

Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
      100                              105                      110

Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
      115                              120                      125

Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val
      130                              135                      140

Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser
  145                              150                      155                      160

Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe
      165                              170                      175

Ser Phe Cys Ala Gln His Arg Gln Gln Gln Glu Ala Gly Leu Arg Pro
      180                              185                      190

Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys
      195                              200                      205

Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly
      210                              215                      220

Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg
  225                              230                      235                      240

Phe Pro Arg Ala Leu Gly Thr Thr Arg Lys Pro Pro Arg Tyr Phe Ser
      245                              250                      255

Gln Asn Arg Asn Ser Tyr Gly Thr Lys
      260                              265

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343

<211> 15
 <212> PRT
 <213> Homo sapiens

<400> 589
 Met Pro Leu Pro Ser Ser Pro Arg Asn Cys Phe Leu Lys Trp Ile
 1 5 10 15

<210> 590
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 590
 Met Ala Leu Cys Ser Leu Ala Val Phe Cys Pro Ser Thr Ile Leu Gly
 1 5 10 15
 Cys Asp Leu Val Gln Leu Gly Pro Glu
 20 25

<210> 591
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 591
 Ile
 1

<210> 592
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 592
 Val Gly Ala Ala Leu Gln Thr Leu Tyr Ile Leu Ala Tyr Leu His Tyr
 1 5 10 15

Cys Pro Arg Lys Arg Val Val Leu Leu Gln Thr Ala Thr Leu Leu Gly
 20 25 30

Val Leu Leu Leu Gly Tyr Gly Tyr Phe Trp Leu Leu Val Pro Asn Pro
 35 40 45

Glu Ala Arg Leu Gln Gln Leu Gly Leu Phe Cys Ser Val Phe Thr Ile
 50 55 60

Ser Met Tyr Leu Ser Pro Leu Ala Asp Leu Ala Lys Val Ile Gln Thr
 65 70 75 80

Lys Ser Thr Gln Cys Leu Ser Tyr Pro Leu Thr Ile Ala Thr Leu Leu
 85 90 95

Thr Ser Ala Ser Trp Cys Leu Tyr Gly Phe Arg Leu Arg Asp Pro Tyr
 100 105 110

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Ser Arg Val Leu Glu Thr Leu Cys Leu Leu Asn Gly Pro Leu Phe Leu
 20 25 30

Cys Cys Ala Leu Asp Gly
 35

<210> 600
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 600
 Lys Ser Gln Val Phe Ser Tyr Pro His Arg Tyr Leu Val Leu Asp Leu
 1 5 10 15
 Ala Leu Leu Phe Leu Met Gly Ile Leu Glu Ala Val Arg Leu Tyr Leu
 20 25 30
 Gly Thr Arg Gly Asn Leu Thr Glu Ala Glu Arg Pro Leu Ala Ala Ser
 35 40 45
 Leu Ala Leu Thr Ala Gly Thr Ala Leu Leu Ser Ala His Phe Leu Leu
 50 55 60
 Trp Gln Ala Leu Val Leu Trp Ala Asp Trp Ala Leu Ser Ala Thr Leu
 65 70 75 80
 Leu Ala Leu His Gly Leu Glu Ala Val Leu Gln Val Val Ala Ile Ala
 85 90 95
 Ala Phe Thr Arg Gly Phe Gly Gly Glu Val Arg Ala Lys Ala Gly Asp
 100 105 110
 Glu Thr Ala Gly Glu Arg Ala Ala Glu Gly His Ile Arg Ser Leu Arg
 115 120 125
 Pro Leu Gln Phe Tyr Gln Leu Leu Pro Phe Cys Thr Glu Leu Asn Lys
 130 135 140
 Phe
 145

<210> 601
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 601
 Met Thr Thr Leu Thr Arg Gln Asp Leu Asn Phe Gly Gln Val Val Ala
 1 5 10 15
 Asp Val Leu Cys Glu Phe Leu Glu Val Ala Val His Leu Ile Leu Tyr
 20 25 30
 Val Arg Glu Val Tyr Pro Val Gly Ile Phe Gln Lys Arg Lys Lys Tyr
 35 40 45

Asn Val Pro Val Gln Met Ser Cys His Pro Glu Leu Asn Gln Tyr Ile
50 55 60

Gln Asp Thr Leu His Cys Val Lys Pro Leu Leu Glu Lys Asn Asp Val
65 70 75 80

Glu Lys Val Val Val Ile Leu Asp Lys Glu His Arg Pro Val Glu
85 90 95

Lys Phe Val Phe Glu Ile Thr Gln Pro Pro Leu Leu Ser Ile Ser Ser
100 105 110

Asp Ser Leu Leu Ser His Val Glu Gln Leu Leu Arg Ala Phe Ile Leu
115 120 125

Lys Ile Ser Val Cys Asp Ala Val Leu Asp His Asn Pro Pro Gly Cys
130 135 140

Thr Phe Thr Val Leu Val His Thr Arg Glu Ala Ala Thr Arg Asn Met
145 150 155 160

Glu Lys Ile Gln Val Ile Lys Asp Phe Pro Trp Ile Leu Ala Asp Glu
165 170 175

Gln Asp Val His Met His Asp Pro Arg Leu Ile Pro Leu Lys Thr Met
180 185 190

Thr Ser Asp Ile Leu Lys Met Gln Leu Tyr Val Glu Glu Arg Ala His
195 200 205

Lys Gly Ser
210

<210> 602

<211> 46

<212> PRT

<213> Homo sapiens

<400> 602

Met Leu Gln Thr Cys Ser Val Val Leu His Phe Ile Leu Cys Leu Cys
1 5 10 15

Val Cys Val Phe Arg Leu Ile Gln Val Val Cys Tyr Ile Ser Cys Ile
20 25 30

Ile Tyr Lys Val Thr Gln Asn Ile Lys Ser Ser Lys Leu Val
35 40 45

<210> 603

<211> 122

<212> PRT

<213> Homo sapiens

<400> 603

Met Pro Asn Thr Phe Tyr Leu Ser Leu His Gly Ser Leu Val Asn Ser
1 5 10 15

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<210> 606
<211> 49
<212> PRT
<213> Homo sapiens
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<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 606
 Met Lys Gly His Ser Ser Lys Leu Phe Cys Leu Val Val Trp Gly Phe
 1 5 10 15
 Leu Cys Phe Leu Phe Leu Gly Cys Phe Phe Phe Asn Cys Leu Val Gln
 20 25 30
 Lys Lys Lys Glu Lys Lys Asn Xaa Gly Gly Ala Pro Glu Pro Asn Xaa
 35 40 45
 Pro

<210> 607
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 607
 Trp Ala Ser Leu Thr
 1 5

<210> 608
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 608
 Met Thr Cys Leu Ser Cys Leu Ile Ser Phe Leu Ala Ser Leu Ser Ala
 1 5 10 15
 Asn Trp Ala Ser Thr Arg
 20

<210> 609
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 609
 Met Lys Pro Ser Trp Gln Leu Pro Ser Cys Ala
 1 5 10

<210> 610
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 610
 Met Lys Tyr Cys Phe Arg Pro Trp Val Leu Cys Asp Thr Thr Leu Gly
 1 5 10 15
 Ile Gly Leu Phe Gly Phe Ala Leu Cys Phe
 20 25

<210> 611
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 611
 Leu Leu Val Leu Leu Gln Ile Met Lys Gly Asn Leu
 1 5 10

<210> 612
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 612
 Met Gly Gly Asp Gln Arg Ser Met Gly Leu Ala Cys Glu Ser Pro Leu
 1 5 10 15
 Ala Ala Trp Ser Leu Gly Ile Thr Pro Ala Leu Val Leu Gln Met Leu
 20 25 30
 Leu Gly Phe Ile Gly Ala Gly Pro Ser Arg Ala Gly Pro Leu Thr Leu
 35 40 45
 Pro Ala Trp Leu His Ser Pro
 50 55

<210> 613
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 613
 Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
 1 5 10 15
 Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
 20 25 30
 Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
 35 40 45

Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60

Ser Gln Lys Ser Lys Cys Ser Phe Lys Cys Glu Tyr Phe Leu Lys Phe
65 70 75 80

Asp Ile Phe Phe Thr Phe Leu Pro Leu Cys Tyr Leu Thr Thr Cys Leu
85 90 95

Met Ile Pro Phe Leu Arg Ala Asn Ile Thr Asp Arg Arg Leu Gln Met
100 105 110

Lys Ile Ser Lys His Asn Tyr Phe
115 120

<210> 614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 614
Met Gly Thr Ile Lys Pro Trp Lys Ser Ser Ala Val Val Gly Gly Pro
1 5 10 15

Gly His Gln Gly
20

<210> 615
<211> 425
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (264)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (274)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (278)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (296)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 615
Met Glu Leu Leu Pro Leu Trp Leu Cys Leu Gly Phe His Phe Leu Thr
1 5 10 15

Val Gly Trp Arg Asn Arg Ser Gly Thr Ala Thr Ala Ala Ser Gln Gly

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20 25 30
 Val Cys Lys Leu Val Gly Gly Ala Ala Asp Cys Arg Gly Gln Ser Leu
 35 40 45
 Ala Ser Val Pro Ser Ser Leu Pro Pro His Ala Arg Met Leu Thr Leu
 50 55 60
 Asp Ala Asn Pro Leu Lys Thr Leu Trp Asn His Ser Leu Gln Pro Tyr
 65 70 75 80
 Pro Leu Leu Glu Ser Leu Ser Leu His Ser Cys His Leu Glu Arg Ile
 85 90 95
 Ser Arg Gly Ala Phe Gln Glu Gln Gly His Leu Arg Ser Leu Val Leu
 100 105 110
 Gly Asp Asn Cys Leu Ser Glu Asn Tyr Glu Glu Thr Ala Ala Ala Leu
 115 120 125
 His Ala Leu Pro Gly Leu Arg Arg Leu Asp Leu Ser Gly Asn Ala Leu
 130 135 140
 Thr Glu Asp Met Ala Ala Leu Met Leu Gln Asn Leu Ser Ser Leu Arg
 145 150 155 160
 Ser Val Ser Leu Ala Gly Asn Thr Ile Met Arg Leu Asp Asp Ser Val
 165 170 175
 Phe Glu Gly Leu Glu Arg Leu Arg Glu Leu Asp Leu Gln Arg Asn Tyr
 180 185 190
 Ile Phe Glu Ile Glu Gly Gly Ala Phe Asp Gly Leu Ala Glu Leu Arg
 195 200 205
 His Leu Asn Leu Ala Phe Asn Asn Leu Pro Cys Ile Val Asp Phe Gly
 210 215 220
 Leu Thr Arg Leu Arg Val Leu Asn Val Ser Tyr Asn Val Leu Glu Trp
 225 230 235 240
 Phe Leu Ala Thr Gly Gly Glu Ala Ala Phe Glu Leu Glu Thr Leu Asp
 245 250 255
 Leu Ser His Asn Gln Ala Ala Xaa Leu Pro Ala Ala Ala Pro Val Gln
 260 265 270
 Gln Xaa Ala Asp Pro Xaa Ala Ala Arg Gln Gln His Gly Leu Leu Pro
 275 280 285
 Gly Pro Val Gln His Leu Val Xaa Glu Gly Asp Gly Gly Pro Val Pro
 290 295 300
 Pro Arg Gly Arg Gln Arg Asp Gln His His His Arg Gln Pro Leu Gly
 305 310 315 320
 Arg Ile Leu Leu Gln Arg Pro Arg Arg Ser Pro Leu Pro Gly His Glu
 325 330 335
 Pro Glu Pro Val Pro Val Pro Ala Arg Arg Leu Pro Glu Glu Asn Ala
 340 345 350

Phe Pro Leu Pro Pro Glu Pro Pro Pro Glu Leu Pro Asp Asp Ala Ser
355 360 365

His Ser Gly Ala Arg Ala Pro Arg Ser Ala His Arg Ala Gly Pro Glu
370 375 380

Pro Gln Pro Ala Val Gly Ala Ala Pro Gly Ser Gly Ala Gly Gln Leu
385 390 395 400

Pro Gly Gln Pro Ala Leu Val Gln Pro Glu Leu Gln Pro Ala Pro Gly
405 410 415

Arg Pro Pro Trp Pro Leu Arg Gln Cys
420 425

<210> 616
<211> 52
<212> PRT
<213> Homo sapiens

<400> 616
Met Arg Leu Ser Val Arg Arg Val Leu Leu Ala Thr Gly Cys Ala Leu
1 5 10 15

Val Leu Val Leu Ala Val Gln Leu Gly Gln Gln Val Leu Glu Cys Arg
20 25 30

Ala Val Leu Ala Gly Leu Arg Thr Pro Gly Gly Pro Cys Gly Leu Ser
35 40 45

Arg Arg Ser Trp
50

<210> 617
<211> 7
<212> PRT
<213> Homo sapiens

<400> 617
Met Gln Val Phe Glu Phe Phe
1 5

<210> 618
<211> 73
<212> PRT
<213> Homo sapiens

<400> 618
Met Phe Tyr Ser Val Ala Phe Ser Ile Phe Ala Met Leu Cys Asn His
1 5 10 15

Arg His Tyr Pro Phe Leu Glu Leu Phe Arg His Pro Lys Gln Thr Leu
20 25 30

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Cys Ile His Lys Lys Ile Thr Ser Tyr Leu Ser Leu Pro Leu Val Phe
 35 40 45

Gly Asn Leu Cys Tyr Thr Gly Lys Leu Cys Cys Ala Leu Cys Leu Cys
 50 55 60

Glu Phe Ala Tyr Ser Arg Gly Leu Ile
 65 70

<210> 619
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 619
 Met Ala Phe Leu Pro Ser Pro Ala Trp Trp Ile Ser Leu Leu Pro Ser
 1 5 10 15

Leu Leu Ser Ile Ala Arg Ser
 20

<210> 620
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 620
 Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1 5 10 15

Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Ser Leu Pro Val Leu
 20 25 30

Leu Trp Pro Pro Ser Pro His Gly Cys Cys His Pro Ser Trp Arg Glu
 35 40 45

Gly Gly Glu Ser Trp Cys Glu Pro Ser Gly Phe Pro Pro Thr His Pro
 50 55 60

Gly Ala Gly Trp Ala Arg Thr Gly Arg Gly Ser Thr Ala Ala Leu Leu
 65 70 75 80

Ala Leu Leu Leu Pro Gln Leu Gly Val Asp Arg Ala Ser Leu Ser Pro
 85 90 95

Leu Phe Trp Arg Glu Gly Glu Gly Gly Gly Leu Gln Ala Gly Ala Arg
 100 105 110

Leu Gly Val Leu Gly Gly Glu Met Arg Phe Arg Gly Cys Leu Met Gly
 115 120 125

Trp Ala Gly Leu Gly
 130

<210> 621

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<211> 62
 <212> PRT
 <213> Homo sapiens

<400> 621
 Met Glu Gln Glu Pro Val Arg Arg Tyr Pro Leu Val Pro Leu Val Pro
 1 5 10 15
 Leu Val Val Val Ala Val Trp Gly Phe Phe Pro Gly Gly Ser Glu Ser
 20 25 30
 Ser Ser Ser Glu Leu Asp Ser Ile Ser Leu Arg Ser Ser Leu Asp Thr
 35 40 45
 Leu Pro Leu Glu Thr Ala Leu Gln Ala Ile Phe Thr Ile Lys
 50 55 60

<210> 622
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 622
 Leu Phe Val Phe Phe Cys Phe Val Leu Val Phe Phe Phe Phe Leu Ala
 1 5 10 15

<210> 623
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 623
 Met Leu Leu Leu Ser Ile Val Leu Leu Leu Ile Leu
 1 5 10

<210> 624
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 624
 Met Ala His Ser Arg Tyr Ser Thr Ile Ile Ile Leu Tyr Leu Ile Ala
 1 5 10 15
 Asn Trp Leu Ala Phe Ala Gln His Ser Ala Tyr Ile Gly Pro Leu Arg
 20 25 30
 Gly Leu Ser Pro Ala Ser
 35

<210> 625
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 625
 Met Leu Met Ala Ser Ala Leu Ser Arg Cys Ala Gly Ala Ala Val Leu
 1 5 10 15
 Val Leu Leu Leu Trp Leu Ala Val Asp Trp Ala Leu Met
 20 25

<210> 626
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 626
 Met Lys Leu Phe Phe Cys Leu Cys Ala Gly Leu Ile Leu Glu Phe Gln
 1 5 10 15
 Lys Ala Leu Trp Glu Arg Lys Arg Leu Leu Asn Lys Val Trp Asn Arg
 20 25 30
 Ala Pro His Ser Asp Asn Met Gln Ser
 35 40

<210> 627
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 627
 Met Ala Thr Gln Gln Cys Ile Tyr Xaa Xaa Leu Cys Trp Leu Phe Ile
 1 5 10 15
 Tyr Ser Leu Tyr Arg Arg Lys Leu Asn Met Asp His Thr Phe Ser Pro
 20 25 30
 Glu Phe Ser Phe Ser Leu Gln Val Pro Gln Asn Tyr Cys Val Leu Asn
 35 40 45

<210> 628
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 628
 Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
 1 5 10 15

Glu

<210> 629
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 629
 Met Trp Met Ala Lys Pro Thr Cys Tyr Leu Ala Leu Thr Gly Trp Ser
 1 5 10 15
 Cys Trp Arg Thr Cys Trp Glu Arg Ser Gly Trp Ala Leu Tyr Leu Gln
 20 25 30

Pro

<210> 630
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 630
 Met Ala Ala Met Val Phe Leu Leu Leu Ser Ile Thr Thr Ile Trp Gly
 1 5 10 15

Ala Phe Lys Lys
 20

<210> 631
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 631
 Ala Pro Leu Cys His Cys Pro Tyr Phe Gly Phe Cys Lys His Pro Leu
 1 5 10 15

Arg Leu Val Ser Ser Leu Gly Lys Gln Ala Ser Thr Ser
 20 25

<210> 632
 <211> 60

<212> PRT
 <213> Homo sapiens

<400> 632
 Met Gly Phe His Leu Leu Leu Gly Leu Val Asn Leu Leu Gly Leu Val
 1 5 10 15
 Asn Cys Phe Leu Leu Gly Lys Pro Asn Tyr Leu Ser Leu Ile Val Ser
 20 25 30
 Ile Val Ala Pro Leu Thr Phe Leu Phe Ser Phe Ile Ser Asn Ile Lys
 35 40 45
 Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
 50 55 60

<210> 633
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 633
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 634
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 634
 Met Phe Glu Cys Tyr Cys Leu
 1 5

<210> 635
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 635
 Met Ser Leu Thr Thr Leu Trp Thr Leu Asp Lys Leu Leu Leu Cys Val
 1 5 10 15
 Cys Xaa Leu Ile Cys Lys Met Lys Ile Ile Ser Val Ser Tyr Arg Tyr
 20 25 30
 Ser Leu Asn Arg Asp Asn Tyr Thr Tyr Phe Lys Val Val Lys Tyr Thr
 35 40 45
 Ile Thr Thr Arg

50

<210> 636
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 636
 Cys Thr His Pro Ala Ser Gly Pro Leu Ser Ser Thr Ser
 1 5 10

<210> 637
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 637
 Met Val Met Phe Leu Ser Leu Ser Leu Trp Ile Asn Pro Val Ile Gly
 1 5 10 15
 Lys Asp Met Thr Ile Trp Arg Trp Asn Thr Tyr Arg Lys Asp Gln Ile
 20 25 30
 Ser Tyr Leu Leu Phe Phe His
 35

<210> 638
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 638
 Met Leu Leu Cys Pro Asn Leu Arg Asn Pro Leu Ile Trp Gly Leu Ile
 1 5 10 15
 Leu Leu Thr His Ala Ile Ser Val Ser Val Ala Ser Phe Tyr Tyr Ile
 20 25 30
 Ile Leu Val Lys Ser Lys Leu Tyr His Val
 35 40

<210> 639
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 639
 Met Pro Phe Pro Trp Ser Phe Arg Leu Leu Met Leu Leu Ser Thr Ala
 1 5 10 15
 Gln Ser Pro Gln Pro Gln Lys Arg Phe Pro Leu His Ser Thr Pro Leu
 20 25 30

Gln Ser Asn Phe Pro Leu Ser Lys Cys
 35 40

<210> 640
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 640
 Glu Ala Phe Cys Phe Leu Arg Ser Tyr Phe Cys Tyr Ser Cys Asn Ala
 1 5 10 15

Pro Pro Tyr Met Pro His Leu Cys Glu Ser Thr Gly Ile Arg Phe Gly
 20 25 30

His His Thr Cys Leu Lys Leu Gly Ser Val Cys Ser Val Phe Cys Val
 35 40 45

Glu Trp Arg Lys Lys Arg Leu Pro Cys Cys Leu Pro Cys Ser
 50 55 60

<210> 641
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 641
 Met Ser Pro Ser Leu Leu Leu Thr Cys Ile Ile Gly Arg Leu Ile Ile
 1 5 10 15

Pro Pro Ser Leu Lys Ser Pro Xaa Ser
 20 25

<210> 642
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 642
 Met Ala Leu Leu Trp Gln Ile Asn Trp Thr Ile Ala Glu Ala Phe Leu
 1 5 10 15

Arg Gly Asp Ile Thr Asp Ser Thr Ala Leu Trp Ser Trp Ala Ala Thr
 20 25 30

Ser Arg Thr Ser Leu Trp Ser Thr Val Thr Ser Pro Ala Leu
 35 40 45

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<210> 643
 <211> 226
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 643
 Met Arg Gly Leu Leu Cys Trp Pro Val Xaa Leu Leu Leu Leu Gln Pro
 1 5 10 15
 Trp Glu Thr Gln Leu Gln Leu Thr Gly Pro Arg Cys His Thr Xaa Xaa
 20 25 30
 Leu Asp Leu Val Xaa Val Ile Asp Ser Ser Arg Ser Val Arg Pro Phe
 35 40 45
 Glu Phe Glu Thr Met Arg Gln Phe Leu Met Gly Leu Leu Arg Gly Leu
 50 55 60
 Asn Val Gly Pro Asn Ala Thr Arg Val Gly Val Ile Gln Tyr Ser Ser
 65 70 75 80

Gln Val Gln Ser Val Phe Pro Leu Arg Ala Phe Ser Arg Arg Glu Asp
 85 90 95
 Met Glu Arg Ala Ile Arg Asp Leu Val Pro Leu Ala Gln Gly Thr Met
 100 105 110
 Thr Gly Leu Ala Ile Gln Tyr Ala Met Asn Val Ala Phe Ser Val Ala
 115 120 125
 Xaa Xaa Ala Arg Pro Pro Glu Glu Arg Val Pro Arg Val Ala Val Ile
 130 135 140
 Val Thr Asp Gly Arg Xaa Gln Asp Arg Val Ala Glu Val Ala Ala Gln
 145 150 155 160
 Ala Arg Ala Arg Gly Ile Glu Ile Tyr Ala Val Gly Val Gln Arg Ala
 165 170 175
 Asp Val Gly Ser Leu Arg Ala Met Ala Ser Pro Pro Leu Asp Glu His
 180 185 190
 Val Phe Leu Val Glu Ser Phe Asp Leu Ile Gln Glu Phe Gly Leu Gln
 195 200 205
 Phe Gln Ser Arg Leu Xaa Gly Pro Gly Pro Leu Gln Trp Arg Gly Pro
 210 215 220
 Trp Leu
 225

<210> 644
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 644
 Met Arg Ala Gly Ile Val Cys Ile Leu Tyr Ile Phe Ile Cys Ser Val
 1 5 10 15
 Phe Ala Gln Cys Leu Val His Ser Arg Val Ser Met Tyr Glu Cys Val
 20 25 30
 Gly

<210> 645
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 645
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15
 Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30

Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 646
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 646
 Met Ile Phe Pro Lys Ile Cys Pro Ile Ser Pro Asn Leu Val Ser Val
 1 5 10 15

Leu Ser Leu Val Phe Phe Trp Thr Leu Leu Gly Ser Arg Arg Val Cys
 20 25 30

Tyr Gln Phe Ser Arg Leu Gly Glu Val Arg Ser Gly Glu Gln Leu
 35 40 45

<210> 647
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 647
 Met Phe Thr Ile Arg Ser Arg Met Cys Leu His Phe Leu Val Leu Val
 1 5 10 15

Ile Cys Ile Leu Arg Glu Cys Glu Ser Val Cys Val Cys Val Cys Val
 20 25 30

Cys Val Cys Leu Trp His Leu Gly Arg Val Val
 35 40

<210> 648
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 648
 Met Phe Thr Ile Arg Ser Arg Met Cys Leu His Phe Leu Val Leu Val
 1 5 10 15

Ile Cys Ile Leu Arg Glu Cys Glu Ser Val Cys Val Cys Val Cys Val
 20 25 30

Cys Val Cys Leu Trp His Leu Gly Arg Val Val
 35 40

<210> 649
 <211> 471
 <212> PRT
 <213> Homo sapiens

1 5 10 15
 Ser Ser Gly Cys Gln Glu Arg Gly Arg Thr Phe Val Trp Ala Leu Pro
 20 25 30
 Arg Ala Gly Asn Phe Thr Trp Tyr Leu Lys Val Ser Phe Gly Ile Arg
 35 40 45
 Pro Glu Thr Leu Gly Phe Ser Arg Leu Thr Thr Pro Phe Tyr Ser Lys
 50 55 60
 His Leu Glu Asp Cys Phe Arg Val Ser Gln Gly Pro Ser Val Pro Ser
 65 70 75 80
 Ala Val Glu Cys Arg Thr Leu Cys Asp Ile Leu Tyr Pro Phe Phe Pro
 85 90 95
 Gly Leu Val Ala Met Glu Gly Leu Val Cys Cys Asp Ser Thr Leu Asp
 100 105 110
 Ala Val Ser Leu Met Leu Ala Arg Glu Ala Glu Asp Val Arg Gly Arg
 115 120 125
 Gly Arg Leu Leu Gly Leu Ser Ser Phe Leu Cys Ile Ile Leu Gly Leu
 130 135 140
 Ala Trp Thr Ala Pro Ala Ser Glu Ser Cys Gly Pro His Pro Leu Ala
 145 150 155 160
 Ala Glu Pro Ser Thr Val Ile Leu Gly Ala Ile Phe Pro Cys Arg Thr
 165 170 175
 Gly Ser Leu Ser Pro Ala Pro Thr Phe Gly Leu
 180 185

<210> 654

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 654

Met Gly Leu Pro Gly Leu Phe Cys Leu Ala Val Leu Ala Ala Ser Ser
 1 5 10 15

Phe Ser Lys Ala Arg Glu Glu Glu Ile Thr Pro Val Val Ser Ile Ala
 20 25 30

Tyr Lys Val Leu Glu Val Phe Pro Lys Gly Arg Trp Val Leu Ile Thr
 35 40 45

Cys Cys Ala Pro Gln Pro Pro Pro Ile Thr Tyr Ser Leu Cys Gly
 50 55 60

Thr Lys Asn Ile Lys Val Ala Lys Lys Val Val Lys Thr His Glu Pro

009500560
 103160"2300560

65	70	75	80
Ala Ser Phe Asn Leu Asn Val Thr Leu Lys Ser Ser Pro Asp Leu Leu	85	90	95
Thr Tyr Phe Cys Arg Ala Ser Ser Thr Ser Gly Ala His Val Asp Ser	100	105	110
Ala Arg Leu Gln Met His Trp Glu Leu Trp Ser Arg Gln Arg Gly Arg	115	120	125
Pro Gln Gly Gly Asp Asp Leu Pro Gly Val Leu Gly Gln Pro Thr Tyr	130	135	140
His Gln Gln Pro Asp Arg Glu Gly Trp Ala Gly Pro Pro Ala Ala Glu	145	150	155
Thr Met Pro Gln Ala Ala Cys Gln Leu Leu Leu Pro Ala Glu Pro Asp	165	170	175
Ile Gly Leu Val Leu Val Pro Gly Cys Lys Gln Arg Gln Cys Pro Ala	180	185	190
Gln Arg Pro His Ser Gly Ala Pro Arg Arg Val Xaa Gln Gly Thr His	195	200	205
His Arg Ala Gly Trp Gln Pro Cys Leu His Cys Gly His His Leu Gln	210	215	220
Asp Ala Gly Leu Asp Pro Arg Gly Pro Arg Trp	225	230	235

<210> 655
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 655
 Asp Leu Gly Thr Leu Arg Thr Ala Arg Arg Trp Leu Arg Gly Val Gln
 1 5 10 15
 Gly Pro Phe Pro Pro Gly Ser Ser Cys Leu His Pro Ala Leu Ser Cys
 20 25 30
 Gly Pro Ser Ser His Ser Glu Ala Leu Gln Asn Met Ser Pro Val Gly
 35 40 45
 Thr Ser Ser Phe Pro Val Pro Gly Pro Gln Leu Val Ser Ala Ala Ala
 50 55 60
 Ser Leu Gly Pro Phe Pro Lys Pro Arg Val Thr Ala Gly Ala
 65 70 75

<210> 656
 <211> 9
 <212> PRT
 <213> Homo sapiens

<210> 659
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 659
 Met Phe Leu Leu Thr Ile Gly Lys Ile Glu Lys Ala Leu Cys Phe Leu
 1 5 10 15
 Phe Phe Cys Cys Cys Cys His Cys Cys Phe Phe Gln Lys Thr Ser Val
 20 25 30
 Ser Val Leu Ser
 35

<210> 660
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 660
 Asp Phe Leu Phe Phe Phe Pro Pro Cys Gly Ser His Cys Phe Leu Ser
 1 5 10 15
 Cys Leu Tyr Leu Ser Leu Cys Leu Ser Ser Ser Phe Pro Gln Met Ser
 20 25 30
 Gln Leu Ser Leu Pro Asn Phe Pro Ile
 35 40

<210> 661
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 661
 Met Arg Gln Gln Gln Thr His Leu Ala Ala Gly Val Leu Phe Cys Cys
 1 5 10 15
 Arg Leu Thr Phe Ser Ser Ser Val Ser Gly Lys Ser Gly
 20 25

<210> 662
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 662
 Met Met Asn Val Ser Leu Glu Ile Tyr Phe Val Val Phe Leu Ser Leu
 1 5 10 15
 Phe Cys Val Val Leu Pro Leu His Ala Leu Phe Leu Lys Ser Phe Phe
 20 25 30

```
<210> 663
<211> 34
<212> PRT
<213> Homo sapiens
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Leu Gly Cys Phe Leu Leu Cys Val Ile Leu Ile Ser Leu Ala Gly Lys
20 25 30

Gln Lys

```
<210> 664
<211> 20
<212> PRT
<213> Homo sapiens
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Val Asn Cys Gly
20

```
<210> 665
<211> 17
<212> PRT
<213> Homo sapiens
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Phe

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<210> 666
<211> 22
<212> PRT
<213> Homo sapiens
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Ser Phe Ser Phe Ser Leu
20

<210> 667
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 667
 Met Val Ile Phe Ile Ile Leu Leu Thr Cys Phe Gly Phe Ser Asn Gly
 1 5 10 15
 Ser Phe Ser Phe Ser Leu
 20

<210> 668
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 668
 Met Val Val Val Thr Leu Met Leu Phe Leu
 1 5 10

<210> 669
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 669
 Leu Glu Ala Pro Ser Met Lys Thr Asp Thr Arg Thr Ile Phe Val Ala
 1 5 10 15
 Ile Phe Ser Cys Ile Ser Ile Leu Leu Leu Phe Leu Ser Val Phe Ile
 20 25 30
 Ile Tyr Arg Cys Ser Gln His Gly Glu Leu Arg Glu Arg Lys Gly Arg
 35 40 45
 Glu Gly Glu
 50

<210> 670
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 670
 Leu Pro Cys Leu Ala Gly Cys Arg Val Lys Phe Met Ile Met Lys
 1 5 10 15

<210> 671
 <211> 32

<212> PRT
 <213> Homo sapiens

<400> 671

Met Glu Lys Gly Ala Ala Lys Lys Asn Phe Trp Val Gln Gly Thr Val
 1 5 10 15

Tyr Leu Leu Leu Leu Phe Met Pro Val Ala Gly Cys Pro Thr Thr Leu
 20 25 30

<210> 672

<211> 50

<212> PRT

<213> Homo sapiens

<400> 672

Met Ser Leu Ser Val Ala Trp Trp Leu Ser Val Cys Ser Ala Ala Gly
 1 5 10 15

Glu Gly Pro Thr Pro Gly Gln Cys Ser Ala Phe Arg Arg Pro Thr Gly
 20 25 30

Asn Gln Lys Phe Pro Asn Ile Met Ala Pro Ser Pro Leu Gln Ser Ser
 35 40 45

Phe Pro
 50

<210> 673

<211> 40

<212> PRT

<213> Homo sapiens

<400> 673

Met Lys Asn Pro Ile Thr Lys Arg Trp Lys His Leu Thr Gly Thr Leu
 1 5 10 15

Ile Leu Val Asn Ser Leu Asp Val Leu Arg Ala Ala Ala Phe Ser Pro
 20 25 30

Ala Asp Gln Asp Asp Phe Val Ile
 35 40

<210> 674

<211> 22

<212> PRT

<213> Homo sapiens

<400> 674

Met Val Pro Ser Leu Asn Leu Tyr Leu Leu Val Ser Trp Asp Thr Leu
 1 5 10 15

Leu Glu Asn Phe Leu Met
20

<210> 675
<211> 66
<212> PRT
<213> Homo sapiens

<400> 675
Phe Tyr Leu Leu Val Leu Val Phe Leu Asn Ser Ile Phe Ala Glu Leu
1 5 10 15

Ser Leu Phe Leu Pro Cys Leu Ser Pro Val Cys Leu Ser Phe Val Val
20 25 30

Asp Ile Val Leu Ser Ser Pro Lys Tyr Leu Ser Leu Glu Thr Tyr Ser
35 40 45

Lys Arg Ile Leu Phe Ser Met Ser Val Phe Leu Leu Cys Cys Pro Pro
50 55 60

Cys Leu
65

<210> 676
<211> 2
<212> PRT
<213> Homo sapiens

<400> 676
Asp Ile
1

<210> 677
<211> 42
<212> PRT
<213> Homo sapiens

<400> 677
Phe Leu Pro Thr Leu Leu Ile Ile Ile Ser Leu Phe Gln Phe Gly Leu
1 5 10 15

Phe Phe Ser Phe Asn Glu Ser Asn Arg Ile His Gly Ser Phe Tyr Phe
20 25 30

Asn Val Phe Ile Leu Ser Gly Gln Cys Ile
35 40

<210> 678
<211> 15
<212> PRT
<213> Homo sapiens

Met Phe Glu Asp Asn Lys Trp Trp Cys Ile Leu Phe Leu Ile Arg
1 5 10 15

<213> Homo sapiens

Met Lys Thr Val Ser Pro Lys Cys Leu Arg Ile Thr Leu Ser Thr Ser
1 5 10 15

Cys Pro

<213> Homo sapiens

<400> 680
Met Arg Cys Ala Arg His Trp Lys Trp Leu Leu Leu Cys Phe Trp Gly
1 5 10 15

Gln Leu Ile Cys Arg Arg Leu Trp Arg Arg Ser Gly Arg Gly Lys Cys
20 25 30

Phe Leu Cys Cys Leu His Arg Glu
35 40

<213> Homo sapiens

<400> 681
Met Ala Ser Val Phe Leu Leu Leu Tyr Leu Glu Leu Phe Cys Gln Pro
1 5 10 15

Phe Pro Ser Thr Leu Gly Ala Cys Lys Ser Arg Gly Ala Leu Phe
20 25 30

<213> Homo sapiens

Met Ala Phe Gln Ser Leu Leu Glu Met Lys Phe Phe Leu Cys Ala Ala
1 5 10 15

Phe Pro Leu Gly Ala Gly Val Lys Met Phe His Tyr Leu Gly Pro Gly

20 25 30
 Lys Pro Leu Pro Gln Ala Ser Pro Ser Pro His Pro His Arg Asn Arg
 35 40 45

Ile Trp Pro
 50

<210> 683
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 683
 Met Val Lys Thr Val Ile Trp Gly His His Gln Met Met Trp Thr Phe
 1 5 10 15
 Leu Gln Val Phe Trp His Thr Gln Ala Ser Cys His Trp Cys Ile Phe
 20 25 30
 Gln Leu Thr Ser Gly Asp Asp Arg Asn Ser Leu Gln Gly Leu Ser Ile
 35 40 45
 Trp Asp Gly Tyr Ile Lys Arg Glu Thr Asn Trp Ser Lys Ser Pro Glu
 50 55 60
 Arg Lys Ser His Ser Thr Asp Leu Ala Ser Val Leu Lys Asn Ser Asn
 65 70 75 80
 Tyr Ile

<210> 684
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 684
 Met Glu Ile Tyr Val Ser Leu Gly Ile Val Gly Leu Ala Ile Leu Ala
 1 5 10 15
 Leu Leu Ala Val Thr Ser Ile Pro Ser Val Ser Asp Ser Leu Thr Trp
 20 25 30
 Arg Glu Phe His Tyr Ile Gln Val Asn Asn Ile
 35 40

<210> 685
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 685
 Met Leu Leu Val Ser Cys Cys Leu Ala Gly His Ile Cys Val Trp Asp
 1 5 10 15

Ala Gln Thr Gly Asp Cys Leu Thr Arg Ile Pro Arg Pro Gly Arg Gln
 20 25 30

Arg Arg Gly Gln Trp Arg Gly Gln Arg Ala
 35 40

<210> 686
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 686
 Met Ser Met Ser Cys Pro Trp Leu Gly Thr Trp Ala Val Val Cys Ala
 1 5 10 15

Ser Pro Arg Gln Arg Asn Asp Ser Gln Gly Thr Asp Ala Arg Gly Gly
 20 25 30

Asn Arg Ala Asp Gln Arg Leu Pro Gly His Lys Arg Asn Leu Glu Glu
 35 40 45

Arg Thr Pro Ala Glu Gln Thr
 50 55

<210> 687
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 687
 Met Trp Val Leu Leu Ser Leu Phe Cys Ile Phe Val Leu Leu Leu Ile
 1 5 10 15

Leu Phe Ala Phe Ile Ala Lys Thr His Ile Arg Leu Thr Met Ser Gln
 20 25 30

Ala Leu Phe Ser Val Leu His Arg Tyr Glu Phe Ile
 35 40

<210> 688
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
 Met Phe Leu Leu Xaa Xaa Xaa Ser Ser Leu Cys Pro Phe Ser Pro Ser
 1 5 10 15
 Phe Ser Leu Ser Ser Leu Pro Phe Tyr Leu Trp Cys Tyr His Val Leu
 20 25 30
 Glu Gln Gln
 35

<210> 689
 <211> 25
 <212> PRT
 <213> Homo sapiens
 <400> 689
 Met Cys Arg Tyr Leu Pro Leu Met Leu Phe Met Thr Met Cys Arg Phe
 1 5 10 15
 Leu Leu Gly Leu Phe Ala Val Gly Trp
 20 25

<210> 690
 <211> 45
 <212> PRT
 <213> Homo sapiens
 <400> 690
 Met Met Val Thr Arg Leu Pro Cys Trp Ala Gly Val Leu Pro Pro Val
 1 5 10 15
 Pro Leu Leu Leu Ala Cys Met Thr Ser Thr Ala Arg Pro Trp Ala Gln
 20 25 30
 Ala Pro Cys Pro Phe Ser Thr Ala Pro Leu Ser Arg Gln
 35 40 45

<210> 691
 <211> 30
 <212> PRT
 <213> Homo sapiens
 <400> 691
 Met Ala Val Gly Ser Cys Ser Pro Ile Leu Ser Leu Leu Gly Pro Gly
 1 5 10 15
 Ile Leu Ala Pro Leu Ser Ala Leu Pro Leu Ile Ser Val Pro
 20 25 30

<210> 692
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 692
 Met Trp Gln Val Ala Pro Val His Leu Leu
 1 5 10

<210> 693
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 693
 Asn Asn Arg Tyr Val
 1 5

<210> 694
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 694
 Met Glu Ala Val Tyr His Tyr Phe Leu Leu Leu Leu Glu Ile Phe
 1 5 10 15
 Ser Glu Tyr Leu Ile Leu His Phe Leu Leu Ser Phe Ala Ile Glu Phe
 20 25 30

Phe Ile Pro Met Ile Thr Ser
 35

<210> 695
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 695
 Glu Arg Cys Val Phe Trp Leu Phe Arg Pro Pro Ala Phe Pro Ser Leu
 1 5 10 15
 Ser Leu Leu Pro Ala Pro Ala Ser Leu Phe Arg Asp Thr Lys Ile Ser
 20 25 30

Lys Leu Val Gln
 35

<210> 696
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 696

Met Leu His Thr Met Arg Asn Val Arg Gly Cys Val Cys Val Cys Val
 1 5 10 15

Cys Val Cys Val Cys Val Ser Glu Gly His Leu Leu Asn Gly Thr Pro
 20 25 30

Lys Asn Thr Ile Val Phe Val Phe Ala Val Val Arg Gly Leu Asn Lys
 35 40 45

Cys Lys Leu Ala Gln Glu Met Leu Asp Leu Arg Gly Leu Glu Arg Pro
 50 55 60

Asp
 65

<210> 697

<211> 26

<212> PRT

<213> Homo sapiens

<400> 697

Met Phe Phe Leu Leu Leu Leu Met Leu Leu Pro His Cys Leu Asn Tyr
 1 5 10 15

Tyr Ile Leu Leu Thr Asn Leu Thr Phe Trp
 20 25

<210> 698

<211> 6

<212> PRT

<213> Homo sapiens

<400> 698

Met Leu Leu Pro Leu Leu
 1 5

<210> 699

<211> 19

<212> PRT

<213> Homo sapiens

<400> 699

Met Leu Pro Pro Leu Leu Glu Trp Ala Val Phe Val Pro Leu Ser Gln
 1 5 10 15

Leu Leu Leu

<210> 700

<211> 39

<212> PRT

<213> Homo sapiens

<400> 700

Met Phe Phe Leu Ile Lys Val Pro Leu Asn Trp Pro Leu Tyr Gln Pro
1 5 10 15

Leu Val Leu Ala Lys Cys Pro Lys His Ala Leu Gly Pro Arg His Val
20 25 30

Thr Ile His Arg Leu Ser Val
35

<210> 701

<211> 48

<212> PRT

<213> Homo sapiens

<400> 701

Ile Asn Ser Trp Lys Arg Pro Val Asn Ala Ser Cys Phe Cys Ile Cys
1 5 10 15

Val Leu Arg Trp Ala Leu Trp Phe Leu Cys Thr Gln Ser Thr Phe Leu
20 25 30

Val Ile Thr Ile Val Ile Phe Ile Val Met Thr Ala Pro Glu Leu Trp
35 40 45

<210> 702

<211> 52

<212> PRT

<213> Homo sapiens

<400> 702

Thr Phe Gly Leu Phe Leu Leu Phe Leu Ala Ile Val Asn Ser Ala Val
1 5 10 15

Met Asn Thr Asp Val Gln Phe Phe Gly Val Asn Ile Cys Phe Tyr Ser
20 25 30

Phe Gly Tyr Ile Pro Arg Cys Gly Ile Ala Gly Ser Tyr Met Val Ile
35 40 45

Leu Ser Leu Thr
50

<210> 703

<211> 9

<212> PRT

<213> Homo sapiens

<400> 703

Ala Leu Trp Leu Leu Leu Gln Leu Ser

1

5

<210> 704
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 704
 Ala Leu Trp Leu Leu Leu Gln Leu Ser
 1 5

<210> 705
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 705
 Ala Leu Trp Leu Leu Leu Gln Leu Ser
 1 5

<210> 706
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 706
 Gly Arg Trp
 1

<210> 707
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 707
 Met Val Leu Ala Leu Ala Val Phe Thr Leu Leu Ala Ser Val Cys Cys
 1 5 10 15
 Gln Leu His Ser His Ser Phe Tyr Pro Cys Met Ser Cys Phe Tyr Ser
 20 25 30
 Ser Leu Ser Phe
 35

<210> 708
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 708
 Met Trp Leu Leu Trp Gln Pro Tyr Leu Ala Gly Phe Leu Leu Gln Val

1 5 10 15
 Leu Glu Gly Arg Val Ala Gln Ser Gln Ala Glu Ala Asp Ser Gly Val
 20 25 30
 Leu Gly Ala Gly Gly Thr Thr Pro Ala Gly Gly Arg Arg Gly Leu Cys
 35 40 45
 Gln Gln Ser Glu Gln Pro Arg Gly Pro Ile Pro His Ile Leu Gln Val
 50 55 60

<210> 709
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 709
 Met Leu Ser Gly Ser Ser Arg Gly Ser Gln Gly Ser Leu Asn Leu His
 1 5 10 15
 Val Cys Leu Trp Leu Pro Pro Gln Pro Pro Leu His Pro Ser Tyr Ser
 20 25 30
 Phe Ser Phe Phe Leu Gln Phe Trp Glu
 35 40

<210> 710
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 710
 Met Trp Gly Leu Val Ser Ala Leu Ala Ala Thr Leu Cys Phe Ser Leu
 1 5 10 15
 Gln Asn Ile Phe Ser Lys Lys Val Leu Arg Asp Ser Arg Ile His His
 20 25 30
 Leu Arg Leu Leu Asn Ile Leu Gly Cys His Ala Val Phe Phe Met Ile
 35 40 45
 Pro Thr Trp Val Leu Val Asp Leu Ser Ala Phe Leu Val Ser Ser Asp
 50 55 60
 Leu Thr Tyr Val Tyr Gln Trp Pro Trp Thr Leu Leu Leu Ala Val
 65 70 75 80
 Ser Gly Phe Cys Asn Phe Ala Gln Asn Val Ile Ala Phe Ser Ile Leu
 85 90 95
 Asn Leu Val Ser Pro Leu Ser Tyr Ser Val Ala Asn Ala Thr Lys Arg
 100 105 110
 Ile Met Val Ile Thr Val Ser Leu Ile Met Leu Arg Asn Pro Val Thr

<210> 714
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 714
 Gly Val Ser Val Ile Ile Ser Leu Leu Ile Ser Ser Ser Glu Asp Cys
 1 5 10 15
 Tyr Gln Ser Leu Gly Leu Glu Val Gln Ile Ile
 20 25

<210> 715
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 715
 Met Arg Val Val Leu Pro Ser Trp Leu Gly Ser Ser Gly Cys Trp Asp
 1 5 10 15
 Ile Leu Ser Leu Leu Cys Phe Asn Ile Phe Thr Ala Leu Phe Leu Asn
 20 25 30
 Gly Pro Val Thr Arg Asp
 35

<210> 716
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 716
 Phe Cys Glu Leu Ala
 1 5

<210> 717
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 717
 Met Ser Ala Cys Leu Pro Gly Ser Leu Phe Leu Leu Phe Pro Pro Ala
 1 5 10 15
 Gly Arg Tyr Gln Arg Arg Gly His Pro Ser Arg Pro Gly Met Gly Arg
 20 25 30
 Lys Glu Val Thr Ala Lys Ala Val Glu Trp Gly Trp His Gln Pro Leu
 35 40 45
 Val Cys Phe Pro Cys Gly Ser

50

55

<210> 718
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 718
 Met Ser Ile Trp Leu Met His Phe Cys Leu Leu Val Leu Gly Lys Arg
 1 5 10 15

Met Ser Ile Leu Asp Val Lys Leu
 20

<210> 719
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 719
 Ala Pro Arg Phe Pro Ser Leu Leu Val Leu Leu Pro Gly Ile Leu Phe
 1 5 10 15

Pro Gly Leu Ser Gly His Cys Phe Val Ser Gly Phe Phe Thr Leu Leu
 20 25 30

<210> 720
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 720
 Met Tyr Phe Trp Cys Cys
 1 5

<210> 721
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 721
 Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15

Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30

Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45

Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Glu Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe
 130 135 140
 Ser Gln Gly Cys Asn Trp Ile Gln Gln Tyr Ser Phe Gly Pro Glu Lys
 145 150 155 160
 Tyr Thr Gly Ser Asn Val Phe Gly Lys Leu Arg Lys Tyr Val Glu Leu
 165 170 175
 Leu Lys Thr Gln Trp Thr Glu Phe Asn Gly Ile Arg Asp Tyr His Lys
 180 185 190
 Arg Gly Ser Met Cys Asn Thr Leu Phe Ser Asp Ala Ile Leu Glu Tyr
 195 200 205
 Lys Leu Tyr Glu Ala Leu Lys Phe Ile Met Leu Tyr Gln Val Thr Glu
 210 215 220
 Val Tyr Glu Gln Met Lys Thr Lys Lys Val Ile Pro Ser Leu Phe Arg
 225 230 235 240
 Leu Leu Phe Ser Arg Glu Thr Ser Ser Asp Pro Leu Ser Phe Met Met
 245 250 255
 Asn His Leu Asn Ser Val Gly Asp Thr Cys Gly Leu Glu Gln Ile Asp
 260 265 270
 Met Phe Ile Leu Gly Tyr Ser Leu Glu Val Lys Ile Lys Val Phe Arg
 275 280 285
 Leu Phe Lys Phe Asn Ser Arg Asp Phe Glu Val Cys Tyr Pro Glu Glu
 290 295 300
 Pro Leu Arg Asp Trp Pro Glu Ile Ser Leu Leu Thr Glu Asn Asp Arg
 305 310 315 320
 His Tyr His Ile Pro Val Phe
 325

<210> 722
 <211> 327
 <212> PRT
 <213> Homo sapiens

<400> 722

Met Leu Ala Thr Ser Gln Ala Leu Asp Thr Val Trp Arg Met Ala Lys
 1 5 10 15
 Gly Phe Val Met Leu Ala Val Ser Phe Leu Val Ala Ala Ile Cys Tyr
 20 25 30
 Phe Arg Arg Leu His Leu Tyr Ser Gly His Lys Leu Lys Trp Trp Ile
 35 40 45
 Gly Tyr Leu Gln Arg Lys Phe Lys Arg Asn Leu Ser Val Glu Ala Glu
 50 55 60
 Val Asp Leu Leu Ser Tyr Cys Ala Arg Glu Trp Lys Gly Glu Thr Pro
 65 70 75 80
 Arg Asn Lys Leu Met Arg Lys Ala Tyr Glu Glu Leu Phe Trp Arg His
 85 90 95
 His Ile Lys Cys Val Arg Gln Val Arg Arg Asp Asn Tyr Asp Ala Leu
 100 105 110
 Arg Ser Val Leu Phe Gln Ile Phe Ser Gln Gly Ile Ser Phe Pro Ser
 115 120 125
 Trp Met Lys Glu Lys Asp Ile Val Lys Leu Pro Glu Lys Leu Leu Phe
 130 135 140
 Ser Gln Gly Cys Asn Trp Ile Gln Gln Tyr Ser Phe Gly Pro Glu Lys
 145 150 155 160
 Tyr Thr Gly Ser Asn Val Phe Gly Lys Leu Arg Lys Tyr Val Glu Leu
 165 170 175
 Leu Lys Thr Gln Trp Thr Glu Phe Asn Gly Ile Arg Asp Tyr His Lys
 180 185 190
 Arg Gly Ser Met Cys Asn Thr Leu Phe Ser Asp Ala Ile Leu Glu Tyr
 195 200 205
 Lys Leu Tyr Glu Ala Leu Lys Phe Ile Met Leu Tyr Gln Val Thr Glu
 210 215 220
 Val Tyr Glu Gln Met Lys Thr Lys Lys Val Ile Pro Ser Leu Phe Arg
 225 230 235 240
 Leu Leu Phe Ser Arg Glu Thr Ser Ser Asp Pro Leu Ser Phe Met Met
 245 250 255
 Asn His Leu Asn Ser Val Gly Asp Thr Cys Gly Leu Glu Gln Ile Asp
 260 265 270
 Met Phe Ile Leu Gly Tyr Ser Leu Glu Val Lys Ile Lys Val Phe Arg
 275 280 285
 Leu Phe Lys Phe Asn Ser Arg Asp Phe Glu Val Cys Tyr Pro Glu Glu
 290 295 300
 Pro Leu Arg Asp Trp Pro Glu Ile Ser Leu Leu Thr Glu Asn Asp Arg
 305 310 315 320

His Tyr His Ile Pro Val Phe
325

<210> 723
<211> 56
<212> PRT
<213> Homo sapiens

<400> 723
Met Trp Pro Phe Tyr Leu Arg Arg Val Val Val Gln Ser Ser Leu Gly
1 5 10 15

Pro Met Lys Leu Pro Cys Ser Leu Trp Leu Trp Thr Val Val Ala Ser
20 25 30

Cys Ile Cys Cys Pro His Gly Gly Val Phe Leu Cys Gly Ser Cys Ser
35 40 45

Cys Cys Val Ser Gly Leu Leu Leu
50 55

<210> 724
<211> 5
<212> PRT
<213> Homo sapiens

<400> 724
Met Gly His Thr Pro
1 5

<210> 725
<211> 9
<212> PRT
<213> Homo sapiens

<400> 725
Leu Lys Ile Leu Phe Leu Ile Glu Val
1 5

<210> 726
<211> 27
<212> PRT
<213> Homo sapiens

<400> 726
Met Thr Ser Ser Val Ala Cys Pro Gly Ala Arg Val Cys Leu Ala Gly
1 5 10 15

Ser Trp Pro Ala Ala Ser Ser Ser Pro Cys Trp
20 25

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<210> 727
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 727
 Phe Gly Tyr Phe Trp Tyr Arg Trp Pro Leu Gly Trp Ile Phe Leu His
 1 5 10 15

Ser Val Pro Gln Leu Gln Glu Gly Val Pro Leu Val Cys Glu Tyr Val
 20 25 30

Cys Leu

<210> 728
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 728
 Leu Ala Thr Leu Leu Leu Arg Leu Leu Leu Ser Leu Gly Thr Gly Cys
 1 5 10 15

Gln Arg

<210> 729
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 729
 Asp Gln Phe Ser Thr Ala Val Arg His Arg Val Pro Ala Gly His Trp
 1 5 10 15

Gln Val Ala Gly Ser Thr Pro Thr Pro Cys Pro Xaa Asn Pro Asp Leu
 20 25 30

Xaa Pro Gly Lys Glu Arg Glu Gly Pro Val Ser
 35 40

<210> 730
 <211> 117
 <212> PRT

<400> 730

Ala Ile Leu Arg His
115

<210> 731

<211> 281

<212> PRT

<213> Homo sapiens

<400> 731

Met Ala Glu Ala Leu Leu Leu Arg Ala Thr Phe Tyr Leu Leu Ile Gly
1 5 10 15

Asn Ala Asn Ala Ala Lys Pro Asp Leu Asp Lys Val Ile Ser Leu Lys
20 25 30

Glu Ala Asn Val Lys Leu Arg Ala Asn Ala Leu Ile Lys Arg Gly Ser
35 40 45

Met Tyr Met Gln Gln Gln Gln Pro Leu Leu Ser Thr Gln Asp Phe Asn
50 55 60

Met Ala Ala Asp Ile Asp Pro Gln Asn Ala Asp Val Tyr His His Arg
65 70 75 80

Gly Gln Leu Lys Ile Leu Leu Asp Gln Val Glu Glu Ala Val Ala Asp
85 90 95

Phe Asp Glu Cys Ile Arg Leu Arg Pro Glu Ser Ala Leu Ala Gln Ala
100 105 110

Gln Lys Cys Phe Ala Leu Tyr Arg Gln Ala Tyr Thr Gly Asn Asn Ser
115 120 125

Ser Gln Ile Gln Ala Ala Met Lys Gly Phe Glu Glu Val Ile Lys Lys
130 135 140

Phe Pro Arg Cys Ala Glu Gly Tyr Ala Leu Tyr Ala Gln Ala Leu Thr
 145 150 155 160
 Asp Gln Gln Gln Phe Gly Lys Ala Asp Glu Met Tyr Asp Lys Cys Ile
 165 170 175
 Asp Leu Glu Pro Asp Asn Ala Thr Thr Tyr Val His Lys Gly Leu Leu
 180 185 190
 Gln Leu Gln Trp Lys Gln Asp Leu Asp Arg Gly Leu Glu Leu Ile Ser
 195 200 205
 Lys Ala Ile Glu Ile Asp Asn Lys Cys Asp Phe Ala Tyr Glu Thr Met
 210 215 220
 Gly Thr Ile Glu Val Gln Arg Gly Asn Met Glu Lys Ala Ile Asp Met
 225 230 235 240
 Phe Asn Lys Ala Ile Asn Leu Ala Lys Ser Glu Met Glu Met Ala His
 245 250 255
 Leu Tyr Ser Leu Cys Asp Ala Ala His Ala Gln Thr Glu Val Ala Lys
 260 265 270
 Lys Tyr Gly Leu Lys Pro Pro Thr Leu
 275 280

<210> 732
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 732
 Met His Leu Cys Leu Leu Trp Gln Leu His Tyr Val Val Gly Asp Val
 1 5 10 15
 Asp Ala Glu Pro His Ile Leu Ser Ser Cys Leu Cys Tyr Ser Pro Leu
 20 25 30
 Cys Phe Thr Phe Ser Asn Glu Cys Gln Ala Gly Asp Phe Gln Ile Gln
 35 40 45
 Lys Phe
 50

<210> 733
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 733
 Met Val Tyr Ile Tyr Tyr Leu Tyr Phe Leu Thr Phe Tyr Tyr Leu Leu
 1 5 10 15
 Asn Pro Leu His Gln Thr Thr Thr Tyr Gly Thr Ser Gln Gly Ser Ser
 20 25 30

Leu Gly Ala Leu Phe Phe Lys Tyr Ser Val Leu Met Lys Asn Lys Phe
 35 40 45

Asn Ile
 50

<210> 734
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 734
 Met Phe Asp Ser Thr Pro Val Leu Val Ala Leu Phe Leu His Pro Arg
 1 5 10 15

Leu Gly Ala Ser Tyr Ser Leu Cys Leu Gln His Ser Ser Ser Pro Cys
 20 25 30

Leu Pro Xaa Ser
 35

<210> 735
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 735
 Met Glu Leu Trp Leu Pro Arg Tyr Leu Lys Gly Leu Ser Cys Leu Leu
 1 5 10 15

Leu Phe Asp Leu Phe Asn Leu Ile Trp Ala Ile Lys Tyr His Phe Ser
 20 25 30

Gly Leu Phe Phe
 35

<210> 736
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 736
 Met Ser His Ser Leu Ser Val Ala Cys Val Tyr
 1 5 10

<210> 737
 <211> 4

<212> PRT
 <213> Homo sapiens

<400> 737
 Leu Asp Phe Cys
 1

<210> 738
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Cys Gly Ala Phe Gln Asp Ser Pro Gln
 1 5 10

<210> 739
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 739
 Met Tyr Asn His Leu Ser Leu Asn Cys Thr Leu Pro Leu Phe Ile Cys
 1 5 10 15
 Ala Leu Phe Leu Val Tyr Ser Val Ile Ile Pro His Leu Lys Asn Lys
 20 25 30
 Asn His Tyr Cys Tyr Ile Leu Leu Ile
 35 40

<210> 740
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 740
 Met Met Ala Ile Pro Tyr Phe Ile Leu Ala Glu Leu Asn Phe Ile Phe
 1 5 10 15
 Leu Cys Ile Leu Leu Pro Asp Asp Leu Gly Gly Lys Ser Arg Leu Val
 20 25 30
 Lys Ala Asn His Gly Ser Ser Ile Leu Met Ile Leu Leu Gly
 35 40 45

<210> 741
 <211> 348
 <212> PRT
 <213> Homo sapiens

<400> 741
 Met Asn Met Thr Gln Ala Arg Val Leu Val Ala Ala Val Val Gly Leu

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396

Gly Glu Asn Val Ile Gln Asn Lys Glu Ser Thr Gly
 340 345

<210> 742
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 742
 Met Cys Leu Leu Ser Leu Ala Tyr Phe Ile Leu Val Leu Gly Tyr Gly
 1 5 10 15

Ala Ser Tyr Gly Lys Gly Lys Gly Pro Phe Arg Lys Thr Ser Phe Gly
 20 25 30

Glu Ile Lys Met Trp Thr Val Xaa Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 50 55 60

Lys Lys
 65

<210> 743
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 743
 Met Leu Ser Gln Pro Pro His Ser Lys Arg Gly Tyr Arg Leu
 1 5 10

<210> 744
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 744
 Met Phe Leu Ser Phe Leu Asn Ile Leu Ile Ile Leu Leu Gln Gly Ile
 1 5 10 15

Trp Glu Pro Tyr Leu Val Phe Ala Cys Asn Val Ile Arg Tyr Asn Tyr
 20 25 30

Thr Met

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<210> 745
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 745
 Met Val Phe Cys Leu Ala Phe Gly Ala Thr Leu Leu Leu Ala Gly Lys
 1 5 10 15
 Ile Gln Phe Gly Tyr Val Tyr Gly Ile Ser Ala Ile Gly Cys Leu Gly
 20 25 30
 Met Phe Cys Leu Leu Asn Leu Met Ser Met Thr Gly Val Ser Phe Gly
 35 40 45
 Cys Val Ala Ser Val Leu Gly Tyr Cys Leu Leu Pro Met Ile Leu Leu
 50 55 60
 Ser Ser Phe Ala Val Ile Phe Ser Leu Gln Gly Met Val Gly Ile Ile
 65 70 75 80
 Leu Thr Ala Gly Ile Ile Gly Trp Cys Ser Phe Ser Ala Ser Lys Ile
 85 90 95
 Phe Ile Ser Ala Leu Ala Met Glu Gly Gln Gln Leu Leu Val Ala Tyr
 100 105 110
 Pro Cys Ala Leu Leu Tyr Gly Val Phe Ala Leu Ile Ser Val Phe
 115 120 125

<210> 746
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 746
 Pro Cys
 1

<210> 747
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 747
 Met Ser Leu Met Gly Leu Gln Val Leu Pro Arg Ala Cys Thr Leu Leu
 1 5 10 15
 Leu Trp Gly Ser Ala Pro Ala Gly Glu Glu Leu Gln Met Pro Arg Ser
 20 25 30
 Gln Gln Thr Gln Gly Pro Leu Glu Lys Asn Ser Phe Phe Ile Ser Ile
 35 40 45
 Ser Arg Glu Asp Pro Lys Val Lys Val Ser Leu Phe Thr Val Ile Ser
 50 55 60

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<210> 748
<211> 17
<212> PRT
<213> Homo sapiens
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Thr

Ser Trp Ala Arg Gly
20

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<210> 751
<211> 49
<212> PRT
<213> Homo sapiens
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Pro

<210> 752
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 752
 Met Glu Arg Leu Gln Val Val Cys Phe Ala Leu Val His Phe Val Phe
 1 5 10 15
 Ser Glu Phe Gln Thr Val Lys Lys Lys Lys Lys Lys
 20 25

<210> 753
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 753
 Met Val Cys Leu Leu Val His Ser Phe Leu Ser Phe
 1 5 10

<210> 754
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 754
 Xaa Leu Leu Pro Xaa Thr Pro Leu Gly Ile Xaa Tyr Asp Gly Leu Met
 1 5 10 15

Ser Phe Ala Gly Gly Lys Leu Leu Ile Val Gly Glu Asn Ala Thr Ala
 20 25 30

His Ile Phe Ala Thr Tyr Pro Ala Pro Tyr Leu Ser Leu Ala Asn Ala
 35 40 45

Phe Ala Asp Gln Val Val Ala Thr Met Ile Leu Leu Ile Ile Val Phe
 50 55 60

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Ala Ile Phe Asp Ser Arg Asn Leu Gly Ala Pro Arg Gly Leu Glu Pro
65 70 75 80

Ile Ala Ile Gly Leu Leu Ile Ile Val Ile Ala Ser Ser Leu Gly Leu
85 90 95

Asn Ser Gly Cys Ala Met Asn Pro Ala Arg Asp Leu Ser Pro Arg Leu
100 105 110

Phe Thr Ala Leu Ala Gly Trp Gly Phe Glu Val Phe Arg Ala Gly Asn
115 120 125

Asn Phe Trp Trp Ile Pro Val Val Gly Pro Leu Val Gly Ala Val Ile
130 135 140

Gly Gly Leu Ile Tyr Val Leu Val Ile Glu Ile His His Pro Glu Pro
145 150 155 160

Asp Ser Val Phe Lys Ala Glu Gln Ser Glu Asp Lys Pro Glu Lys Tyr
165 170 175

Glu Leu Ser Val Ile Met
180

<210> 755
<211> 52
<212> PRT
<213> Homo sapiens

<400> 755
Met Lys Trp Val Leu Thr Cys Thr Thr Leu Glu Val Val Cys Leu Ala
1 5 10 15

Cys Asp Lys His Ala Ala Asp Val Met Leu Ala Phe Ile Ile Ile Gly
20 25 30

Tyr Leu Pro Tyr Pro Arg Met Ser Ser Cys Pro Leu Ser Pro Leu Ile
35 40 45

Ile Asp Arg Ser
50

<210> 756
<211> 30
<212> PRT
<213> Homo sapiens

<400> 756
Met Ala Lys Phe Thr Ser Trp Phe Leu Val Phe Phe Val Leu Val Ala
1 5 10 15

His Ser Leu His Ile Leu Pro His Pro Val Cys Leu Gly Ser
20 25 30

<210> 757
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 757
 Met Asn Ser Gln Val Leu Tyr Phe Thr Val Leu Val Cys Leu Met Glu
 1 5 10 15
 Ile Ser Arg Trp Ser His Lys Asn Ile Leu Cys Ser Val Pro Ser Lys
 20 25 30
 Arg Thr Ile Tyr Phe Ser Ser Leu Ile Val Pro Gln Ser His Ile Trp
 35 40 45
 Trp Trp Ser Ala Lys Ser His Leu Val
 50 55

<210> 758
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 758
 Met Asn Ser Gln Val Leu Tyr Phe Thr Val Leu Val Cys Leu Met Glu
 1 5 10 15
 Ile Ser Arg Trp Ser His Lys Asn Ile Leu Cys Ser Val Pro Ser Lys
 20 25 30
 Arg Thr Ile Tyr Phe Ser Ser Leu Ile Val Pro Gln Ser His Ile Trp
 35 40 45
 Trp Trp Ser Ala Lys Ser His Leu Val
 50 55

<210> 759
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 759
 Met Phe His Val Cys Cys Ala Phe Leu Asn Phe Met Leu His Ser Lys
 1 5 10 15
 Thr Val Val Leu Phe Leu Trp Cys Leu Asp Ser Cys Gly Val Cys Phe
 20 25 30

<210> 760
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 760

Met Tyr Pro Leu Asp Val Asp Asn Asn Val Pro Phe Leu Ser Leu Phe
 1 5 10 15

Leu Leu Leu Leu Leu Lys Leu Ile Val Leu Pro Asn Leu Leu Leu Cys
 20 25 30

Phe Phe Pro Asn Thr Val Ile Tyr Leu Ile Cys Arg Gln Glu Pro Cys
 35 40 45

Leu Cys
 50

<210> 761

<211> 43

<212> PRT

<213> Homo sapiens

<400> 761

Met Lys Ala Ile Ser Val Ser Leu Leu Arg Leu Thr Lys Leu Leu Trp
 1 5 10 15

Phe Phe Ser Ile Val Leu Tyr Val Pro Leu Leu Ala Val Leu Leu Phe
 20 25 30

Asn Thr Val Leu Tyr Phe Phe Ser Lys Cys Thr
 35 40

<210> 762

<211> 35

<212> PRT

<213> Homo sapiens

<400> 762

Met Ala Phe Leu Ile Leu His Gly Val Gln Met Thr Thr Ile Leu Leu
 1 5 10 15

Leu Val Ala Gln Met Thr Ala Leu Ser Phe Gly Phe Gly Met Tyr Lys
 20 25 30

Gln Glu Asn
 35

<210> 763

<211> 23

<212> PRT

<213> Homo sapiens

<400> 763

Tyr Val Cys Val Tyr Val Val Cys Cys Tyr Leu His Gly Lys Ile Trp
 1 5 10 15

His His Gln Gln Lys Ile Tyr
 20

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<210> 764
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 764
 Met Cys Asn Gln Val Phe Leu Leu Leu Ile Leu Ile Leu Xaa Asp Asp
 1 5 10 15
 His Phe Tyr Thr Leu Trp Gln Ser Leu Ile Ala Ser Val Ser Cys Leu
 20 25 30
 Glu Asn Glu Phe Ile Ile Tyr Leu Leu Gly Asn
 35 40

<210> 765
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 765
 Met Arg Lys Leu Ala Phe Gly Leu Arg Ile Ser Tyr Cys Ser
 1 5 10

<210> 766
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 766
 Met Leu Tyr Phe Leu Val Gln Leu Leu Thr Val Leu Ser Leu Leu Ser
 1 5 10 15
 Gly Met Ser Phe Leu Ile Arg Arg Gln Glu Glu Asn Lys Asn Gln Thr
 20 25 30
 Val Ser His Asn Gln Lys Pro Pro Leu Trp Gln Arg Gly Leu His Arg
 35 40 45
 His Gln Gly Val Pro Pro Asp Arg Glu Arg Leu Gln Pro Ser Glu Ala
 50 55 60
 Ile Leu Arg Ser Ser Cys Leu Gly Val
 65 70

<210> 767
 <211> 42

210 215 220
 Ala Asn Ile Ile Phe Asn Thr Ser Leu Gly Ala Ile Phe Gly Val Lys
 225 230 235 240
 Lys Tyr Ala Asp Ala Leu Gln Glu Ile Ile Gln Glu Arg Asn Leu Thr
 245 250 255
 Val Asn Tyr Lys Lys Asn Leu Ile Glu Val Arg Ala Asp Lys Gln Glu
 260 265 270
 Ala Val Phe Glu Asn Leu Asp Lys Pro Gly Glu Thr Gln Val Ile Ser
 275 280 285
 Tyr Glu Met Leu His Val Thr Pro Pro Met Ser Pro Pro Asp Val Leu
 290 295 300
 Lys Thr Ser Pro Val Ala Asp Ala Ala Gly Trp Val Asp Val Asp Lys
 305 310 315 320
 Glu Thr Leu Gln His Arg Arg Tyr Pro Asn Val Phe Gly Ile Gly Asp
 325 330 335
 Cys Thr Asn Leu Pro Thr Ser Lys Thr Ala Ala Ala Val Ala Ala Gln
 340 345 350
 Ser Gly Ile Leu Asp Arg Thr Ile Ser Val Ile Met Lys Asn Gln Thr
 355 360 365
 Pro Thr Lys Lys Tyr Asp Gly Tyr Thr Ser Cys Pro Leu Val Thr Gly
 370 375 380
 Tyr Asn Arg Val Ile Leu Ala Glu Phe Asp Tyr Lys Ala Glu Pro Leu
 385 390 395 400
 Glu Thr Phe Pro Phe Asp Gln Ser Lys Glu Arg Leu Ser Met Tyr Leu
 405 410 415
 Met Lys Ala Asp Leu Met Pro Phe Leu Tyr Trp Asn Met Met Leu Arg
 420 425 430
 Gly Tyr Trp Gly Gly Pro Ala Phe Leu Arg Lys Leu Phe His Leu Gly
 435 440 445
 Met Ser
 450

<210> 769
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 769
 Met Thr Thr Arg Arg Ser Pro Thr Asp Ile Leu Leu Leu Leu Ser Glu
 1 5 10 15
 Ser Ser Trp Thr Met Arg Arg Leu Lys Ala Tyr Leu Lys Val Ser Leu
 20 25 30

Ala Val Phe Glu Asn Leu Asp Lys Pro Gly Glu Thr Gln Val Ile Ser
275 280 285

Tyr Glu Met Leu His Val Thr Pro Pro Met Ser Pro Pro Asp Val Leu
290 295 300

Lys Thr Ser Pro Val Ala Asp Ala Ala Gly Trp Val Asp Val Asp Lys
305 310 315 320

Glu Thr Leu Gln His Arg Arg Tyr Pro Asn Val Phe Gly Ile Gly Asp
325 330 335

Cys Thr Asn Leu Pro Thr Ser Lys Thr Ala Ala Ala Val Ala Ala Gln
340 345 350

Ser Gly Ile Leu Asp Arg Thr Ile Ser Val Ile Met Lys Asn Gln Thr
355 360 365

Pro Thr Lys Lys Tyr Asp Gly Tyr Thr Ser Cys Pro Leu Val Thr Gly
370 375 380

Tyr Asn Arg Val Ile Leu Ala Glu Phe Asp Tyr Lys Ala Glu Pro Leu
385 390 395 400

Glu Thr Phe Pro Phe Asp Gln Ser Lys Glu Arg Leu Ser Met Tyr Leu
405 410 415

Met Lys Ala Asp Leu Met Pro Phe Leu Tyr Trp Asn Met Met Leu Arg
420 425 430

Gly Tyr Trp Gly Gly Pro Ala Phe Leu Arg Lys Leu Phe His Leu Gly
435 440 445

Met Ser
450

<210> 771
<211> 35
<212> PRT
<213> Homo sapiens

<400> 771
Met Thr Thr Arg Arg Ser Pro Thr Asp Ile Leu Leu Leu Leu Ser Glu
1 5 10 15

Ser Ser Trp Thr Met Arg Arg Leu Lys Ala Tyr Leu Lys Val Ser Leu
20 25 30

Ile Pro Lys
35

<210> 772
<211> 35
<212> PRT
<213> Homo sapiens

<400> 772

Met Thr Thr Arg Arg Ser Pro Thr Asp Ile Leu Leu Leu Leu Ser Glu
 1 5 10 15

Ser Ser Trp Thr Met Arg Arg Leu Lys Ala Tyr Leu Lys Val Ser Leu
 20 25 30

Ile Pro Lys
 35

<210> 773

<211> 48

<212> PRT

<213> Homo sapiens

<400> 773

Met Cys Pro Pro His Leu Met Leu Ile Cys Leu Met Val Met Pro Arg
 1 5 10 15

Val Gln Asp Leu Val Thr Cys Ala Val Val Asn Thr Gln Arg Leu Gly
 20 25 30

Arg Ser Val Ser Leu Val Leu Pro Ser Phe Lys Val His Gly Lys Ile
 35 40 45

<210> 774

<211> 26

<212> PRT

<213> Homo sapiens

<400> 774

Met Val Phe Phe Ser Ala Ile Leu Phe Leu Tyr Ile Leu Tyr Leu Phe
 1 5 10 15

Ala Asp Tyr Ser Ser Ile Phe Asp Phe Pro
 20 25

<210> 775

<211> 8

<212> PRT

<213> Homo sapiens

<400> 775

Met Ala Lys Phe Thr Val Leu Trp
 1 5

<210> 776

<211> 34

<212> PRT

<213> Homo sapiens

<400> 776

Met Val His Leu Leu Leu Val Phe Trp Ser Gly Pro His Asn Leu Gly
 1 5 10 15

Arg Phe Gln Pro Met Lys Leu Phe Ala Ile Cys Leu Asn Gln Ser Met
 20 25 30

Leu Leu

<210> 777

<211> 33

<212> PRT

<213> Homo sapiens

<400> 777

Met Leu His Gly Val Val Ile Val Arg Leu Trp Leu Leu Leu Gly Arg
 1 5 10 15

Asn Ser Leu Lys Arg Asn Ser Leu Val Trp Arg Gly Ser Arg Ser Pro
 20 25 30

Lys

<210> 778

<211> 17

<212> PRT

<213> Homo sapiens

<400> 778

Leu Trp Val Trp Leu Arg Ser Cys Trp Lys Asn Ser Thr Cys Pro Ala
 1 5 10 15

Trp

<210> 779

<211> 93

<212> PRT

<213> Homo sapiens

<400> 779

Met Trp Ile Arg Val Gly Phe Leu Val Phe Lys Thr Pro Gly Leu Arg
 1 5 10 15

Thr Pro Ala Ala Gly Glu Arg Ile Tyr Asn Ile Ser Gly Asn Gly Ser
 20 25 30

Pro Leu Ala Asp Ser Lys Glu Ile Phe Leu Thr Val Pro Val Gly Gly
 35 40 45

Gly Glu Ser Leu Arg Leu Leu Ala Ser Asp Leu Gln Arg His Ser Ile
 50 55 60

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411

Asp His Pro Met Gln Cys Ile Leu Thr Arg Val Asp Phe Asp Leu Tyr
 50 55 60
 Tyr Gly Gly Glu Ala Phe Ser Val Glu Gln Pro Gln Ser Phe Thr Cys
 65 70 75 80
 Pro Tyr Cys Gly Lys Met Gly Tyr Thr Glu Thr Ser Leu Gln Glu His
 85 90 95
 Val Thr Ser Glu His Ala Glu Thr Ser Thr Glu Val Ile Cys Pro Ile
 100 105 110
 Cys Ala Ala Leu Pro Gly Gly Asp Pro Asn His Val Thr Asp Asp Phe
 115 120 125
 Ala Ala His Leu Thr Leu Glu His Arg Ala Pro Arg Asp Leu Asp Glu
 130 135 140
 Ser Ser Gly Val Arg His Val Arg Arg Met Phe His Pro Gly Arg Gly
 145 150 155 160
 Leu Gly Gly Pro Arg Ala Arg Arg Ser Asn Met His Phe Thr Ser Ser
 165 170 175
 Ser Thr Gly Gly Leu Ser Ser Ser Gln Ser Ser Tyr Ser Pro Ser Asn
 180 185 190
 Arg Glu Ala Met Asp Pro Ile Ala Glu Leu Leu Ser Gln Leu Ser Gly
 195 200 205
 Val Arg Arg Ser Ala Gly Gly Gln Leu Asn Ser Ser Gly Pro Ser Ala
 210 215 220
 Ser Gln Leu Gln Gln Leu Gln Met Gln Leu Gln Leu Glu Arg Gln His
 225 230 235 240
 Ala Gln Ala Ala Arg Gln Gln Leu Glu Thr Ala Arg Asn Ala Thr Arg
 245 250 255
 Arg Thr Asn Thr Ser Ser Val Thr Thr Thr Ile Thr Gln Ser Thr Ala
 260 265 270
 Thr Thr Asn Ile Ala Asn Thr Glu Ser Ser Gln Gln Thr Leu Gln Asn
 275 280 285
 Ser Gln Phe Leu Leu Thr Arg Leu Asn Asp Pro Lys Met Ser Glu Thr
 290 295 300
 Glu Arg Gln Ser Met Glu Ser Glu Arg Ala Asp Arg Ser Leu Phe Val
 305 310 315 320
 Gln Glu Leu Leu Leu Ser Thr Leu Val Arg Glu Glu Ser Ser Ser Ser
 325 330 335
 Asp Glu Asp Asp Arg Gly Glu Met Ala Asp Phe Gly Ala Met Gly Cys
 340 345 350
 Val Asp Ile Met Pro Leu Asp Val Ala Leu Glu Asn Leu Asn Leu Lys
 355 360 365
 Glu Ser Asn Lys Gly Asn Glu Pro Pro Pro Pro Pro Leu

T02T60" 28005660

370

375

380

<210> 788
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 788
 Met Leu Leu Gln Trp Ser Arg Gln Val Ile Val Leu Ala Trp Met Gly
 1 5 10 15
 Val Ser Ser Gly Gly Gly Glu Lys Cys Gln Gly Leu Phe Met Ser Arg
 20 25 30
 Arg Gln Asn Gln Gln Gly Leu Val Met Asp Trp Met Ser Gly Val Arg
 35 40 45
 Gly Arg Lys Glu Leu Gly Gln Leu Gln Asn Leu Gly Pro Glu Glu Gln
 50 55 60
 Val Trp Gly Arg Glu Asn Lys Asn Phe Leu Ser Gly Ala Pro Ser Ser
 65 70 75 80
 Cys Ala Phe Ala Ile Leu Gln Ser Thr Pro Cys Thr Pro
 85 90

<210> 789
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 789
 Met Ser Pro Ser Pro Arg Trp Gly Phe Leu Cys Val Leu Phe Thr Ala
 1 5 10 15
 Val His Pro Ala Pro Ser Thr Ala Pro Val Gln Asp Lys Cys Pro Val
 20 25 30
 Asn Thr Trp Glu Ala Met Gln Ala Ser Ser Gln Gln Leu Leu Gln Thr
 35 40 45
 Asp Pro Arg Pro Lys Pro Phe Leu Leu Pro Pro Leu Pro Pro Leu Leu
 50 55 60
 Leu Ile Ser Ala Gly Thr Glu Val Ser Ser Leu Val Phe Gln Lys Ser
 65 70 75 80
 Pro Leu His Thr Gln Pro Glu Gly Ala Ile Lys Thr Ala Gly Gln Pro
 85 90 95
 Thr Ser Val His Ser Lys Val Leu Ser Lys Gly Ser Leu Leu Leu Gly
 100 105 110
 Glu

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<210> 790
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 790
 His Lys Lys Ser Phe Gln Gly Arg Ala Leu Gly Asp Pro Leu Phe Lys
 1 5 10 15
 Gly Ile Trp Ala Gly Phe Ile Val Val Ser Ser Glu Glu Ser Gly Lys
 20 25 30
 Gly Arg Pro
 35

<210> 791
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 791
 Met Ile Gly Lys Lys Lys Gly Thr Leu Glu Glu Ile Val Leu Met Ile
 1 5 10 15
 Val Val Leu Val Ser Thr Gln Cys Leu Ile Met Thr Met Glu Val Val
 20 25 30
 Leu Lys Asn Leu Val Ile Met Thr Glu Trp Ile Met Lys Met Thr Asp
 35 40 45

<210> 792
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 792
 Met Ala Met Gly Ala Ala Ser Ser Gly Trp Ser Ala Pro Ala Ser Ser
 1 5 10 15
 Ser Trp Ser Thr Leu Trp Trp Ser Ser Phe Pro Arg Pro Arg
 20 25 30

<210> 793
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 793
 Met Lys Pro Ser Leu Leu Cys Arg Pro Leu Ser Cys Phe Leu Met Leu
 1 5 10 15

Leu Pro Trp Pro Leu Ala Thr Leu Thr Ser Thr Thr Leu Trp Gln Cys
 20 25 30
 Pro Pro Gly Glu Glu Pro Asp Leu Asp Pro Gly Gln Gly Thr Leu Cys
 35 40 45
 Arg Pro Cys Pro Pro Gly Thr Phe Ser Ala Ala Trp Gly Ser Ser Pro
 50 55 60
 Cys Gln Pro His Ala Arg Cys Ser Leu Trp Arg Arg Leu Glu Ala Gln
 65 70 75 80
 Val Gly Met Ala Thr Arg Asp Thr Leu Cys Gly Asp Cys Trp Pro Gly
 85 90 95
 Trp Phe Gly Pro Trp Gly Val Pro Arg Val Pro Cys Gln Pro Cys Ser
 100 105 110
 Trp Ala Pro Leu Gly Thr His Gly Cys Asp Glu Trp Gly Arg Arg Ala
 115 120 125
 Arg Arg Gly Val Glu Trp Gln Gln Gly Pro Ala Ala Val Val Arg His
 130 135 140
 Gly Ser Leu Gly Thr Ala Pro Gly Gln Val Ala Lys Asn Ser Arg Pro
 145 150 155 160
 Val Arg Gly His Arg His Arg Pro Cys Leu Leu Pro His Gly Ala Val
 165 170 175
 Gly His Pro Gly Val Gln Pro Pro Gln Ala Glu Gly Leu Pro Leu His
 180 185 190
 Gly Ala Gln Arg Val Gly Pro Gly Pro Gly Val Glu Ala Val Glu Ser
 195 200 205
 Thr Leu Pro Thr Gly Leu Arg Met Pro Met Arg Thr Pro Leu Gly Ser
 210 215 220
 Trp Cys Ala
 225

<210> 794
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 794
 Met Asn Ile Tyr Thr Ile Leu Lys Ile Leu Pro His Arg Met Leu Trp
 1 5 10 15
 Pro Phe Ile Tyr Leu Ile Ile Ala Thr Tyr Leu Phe Phe Ile Ser Ser
 20 25 30
 Ser Thr His Ser Lys Gly Tyr Ser
 35 40

<210> 795
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 795
 Met Leu Ile Ser Val Met Leu His Ser Leu Trp Leu Val Ile His Leu
 1 5 10 15
 Gly Pro Gln His Thr Val Ile Leu Phe
 20 25

<210> 796
 <211> 397
 <212> PRT
 <213> Homo sapiens

<400> 796
 Met Asp Ala Arg Arg Val Pro Gln Lys Asp Leu Arg Val Lys Lys Asn
 1 5 10 15
 Leu Lys Lys Phe Arg Tyr Val Lys Leu Ile Ser Met Glu Thr Ser Ser
 20 25 30
 Ser Ser Asp Asp Ser Cys Asp Ser Phe Ala Ser Asp Asn Phe Ala Asn
 35 40 45
 Thr Arg Leu Gln Ser Val Arg Glu Gly Cys Arg Thr Arg Ser Gln Cys
 50 55 60
 Arg His Ser Gly Pro Leu Arg Val Ala Met Lys Phe Pro Ala Arg Ser
 65 70 75 80
 Thr Arg Gly Ala Thr Asn Lys Lys Ala Glu Ser Arg Gln Pro Ser Glu
 85 90 95
 Asn Ser Val Thr Asp Ser Asn Ser Asp Ser Glu Asp Glu Ser Gly Met
 100 105 110
 Asn Phe Leu Glu Lys Arg Ala Leu Asn Ile Lys Gln Asn Lys Ala Met
 115 120 125
 Leu Ala Lys Leu Met Ser Glu Leu Glu Ser Phe Pro Gly Ser Phe Arg
 130 135 140
 Gly Arg His Pro Leu Pro Gly Ser Asp Ser Gln Ser Arg Arg Pro Arg
 145 150 155 160
 Arg Arg Thr Phe Pro Gly Val Ala Ser Arg Arg Asn Pro Glu Arg Arg
 165 170 175
 Ala Arg Pro Leu Thr Arg Ser Arg Ser Arg Ile Leu Gly Ser Leu Asp
 180 185 190
 Ala Leu Pro Met Glu Glu Glu Glu Glu Glu Asp Lys Tyr Met Leu Val
 195 200 205
 Arg Lys Arg Lys Thr Val Asp Gly Tyr Met Asn Glu Asp Asp Leu Pro
 210 215 220

Arg Ser Arg Arg Ser Arg Ser Ser Val Thr Leu Pro His Ile Ile Arg
225 230 235 240

Pro Val Glu Glu Ile Thr Glu Glu Glu Leu Glu Asn Val Cys Ser Asn
245 250 255

Ser Arg Glu Lys Ile Tyr Asn Arg Ser Leu Gly Ser Thr Cys His Gln
260 265 270

Cys Arg Gln Lys Thr Ile Asp Thr Lys Thr Asn Cys Arg Asn Pro Asp
275 280 285

Cys Trp Gly Val Arg Gly Gln Phe Cys Gly Pro Cys Leu Arg Asn Arg
290 295 300

Tyr Gly Glu Glu Val Arg Asp Ala Leu Leu Asp Pro Asn Trp His Cys
305 310 315 320

Pro Pro Cys Arg Gly Ile Cys Asn Cys Ser Phe Cys Arg Gln Arg Asp
325 330 335

Gly Arg Cys Ala Thr Gly Val Leu Val Tyr Leu Ala Lys Tyr His Gly
340 345 350

Phe Gly Asn Val His Ala Tyr Leu Lys Ser Leu Asn Arg Asn Leu Lys
355 360 365

Cys Lys His Asn Ile Trp Lys Ile Cys Cys Leu Pro Ser Thr Ser Gln
370 375 380

Ile Phe Leu Val Lys Val Ser Asn Phe Phe Thr Glu Thr
385 390 395

<210> 797

<211> 38

<212> PRT

<213> Homo sapiens

<400> 797

Met Phe Leu Cys Cys Gln Ile Gly Pro Leu Gly Pro Phe Arg Phe Cys
1 5 10 15

Phe Leu Gly Ala Gly Phe Leu Pro Trp Thr Pro Ser Leu Gly Thr Val
20 25 30

Asp Ile Lys Cys Leu Ala
35

<210> 798

<211> 23

<212> PRT

<213> Homo sapiens

<400> 798

Met Gly Trp Ser Ser His Trp Ser Asn Phe Leu Ser Val Arg Leu Trp
1 5 10 15

Phe Ser Thr Leu Ala Ile Cys
20

<210> 799
<211> 34
<212> PRT
<213> Homo sapiens

<400> 799
Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
1 5 10 15
Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
20 25 30

Ala Ala

<210> 800
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 800
Met Tyr Met Pro Ala Pro Pro Leu Ser Leu Ala Pro Ala Val Gly Glu
1 5 10 15
Thr Phe Pro Val Cys Arg Glu Arg Met Trp Ser Trp Gln Ala Trp Leu
20 25 30
Leu Pro Asp Ser Val Ser Ser Gly Asn Thr Gln Pro Ser Phe Lys Lys
35 40 45
Lys Lys Thr Arg Ser Xaa Pro Ser Asp Arg
50 55

<210> 801
<211> 33
<212> PRT
<213> Homo sapiens

<400> 801
Met Cys Val Cys Met His Val Cys Val Cys Cys Val Trp Trp Glu Ala
1 5 10 15
Ala Trp Gly Cys Gln Lys Arg Ala Glu Gly Gly Ile Arg Pro Ser Trp
20 25 30

Thr

<210> 802
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 802
 Met Leu Ile Ile Thr Pro Lys Leu Lys Lys Val Gly Ser Gln Pro Gln
 1 5 10 15
 Met Glu Asp Trp Ala Pro Leu Leu Pro Ser Ser Ala Ser Leu Leu Pro
 20 25 30

<210> 803
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 803
 Glu Leu Arg Cys Leu Val Cys Phe Phe Ala Phe Gln Arg His Phe Leu
 1 5 10 15
 Ala Glu Arg Tyr Asn Gly Ala Leu Gln Glu Thr Leu Cys Pro Gln His
 20 25 30
 Leu Phe Cys Ser Leu Ala Asp Arg Ser Trp Pro
 35 40

<210> 804
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 804
 Met Glu Asn Cys Leu Tyr Val Val Ala Leu Met Val Leu Met Pro Ser
 1 5 10 15
 Val Val Trp Lys Cys Met Ile Gln Leu Glu Met Asn Gly Arg
 20 25 30

<210> 805
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 805
 Met Leu Arg Gly Phe Phe Val Val Leu Phe Cys Leu Ile Met Asn Gly
 1 5 10 15

Cys Trp Ile Leu Ser His Ala Arg Ser Ala Ser Ile Gly Met Ile Met
 20 25 30

<210> 806
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 806
 Asp Arg Glu Arg Asn Met Ala Thr Cys Ala Gln Leu Leu Arg Leu Val
 1 5 10 15
 Leu Glu Ala Glu His Ile Ala Pro Ala Ala Trp His Trp Pro Trp Asp
 20 25 30
 Met Gly Gly Arg Gly Arg Arg Val Pro Ala Tyr Val Gly Arg Trp Ala
 35 40 45
 Gly Ala Gln Thr Gln Gln Ala Pro Trp Gly His Ser Ser Pro Leu His
 50 55 60
 Pro Phe Ile Leu Lys His Leu Gln Arg Ala Ser Ser Ala Arg Leu Ser
 65 70 75 80
 Gly Ala Lys Gly Thr Glu Met Arg Thr Asp Ser Pro Leu Gly Glu Thr
 85 90 95
 Val Phe Ala Trp Ser Cys Pro Gln Cys Lys Ala Gln Glu Trp Cys Arg
 100 105 110
 Gly Ala

<210> 807
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 807
 Glu Val Ile Gly Leu Leu Leu Leu Leu Leu Leu Cys Asn Asn Asn
 1 5 10 15
 Arg Gln Lys Gln Arg Arg Gly Glu Ser Ala Asp Ala Trp Pro Leu Pro
 20 25 30
 Trp Gly Phe Pro Ser Ala Glu Glu Ser Val Ala Ala Gln Leu
 35 40 45

<210> 808
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Cys Pro Ser Val Ser Ala Cys Cys Leu Gly Leu Pro Ile Trp Ile Val
 1 5 10 15
 Gly Lys Ser Lys Arg Ala Trp Cys Leu Pro Thr Pro Pro Asp Ser Ser
 20 25 30
 Arg Xaa Lys Pro Arg Pro His Glu Ala Cys Pro Thr Arg Ser Pro Met
 35 40 45
 Ala Gln Thr Ala Pro Pro Pro Ser His Lys Val
 50 55

<210> 809
 <211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Met Leu Val Ile Gln Ile Thr Ser Val Asp Phe His Gly Ile Pro Leu
 1 5 10 15
 Ser Val Pro Gln Ser Leu Thr Arg Arg Gln Cys Thr Cys Arg Gly Trp
 20 25 30
 Lys Glu Asp Glu Pro Met Ser Arg Leu Cys Ile Asn Gln Gly Glu Arg
 35 40 45
 Lys Ser Arg Trp Lys Glu Val Gly Arg Trp Arg Lys Gln Gln Leu Leu
 50 55 60
 Leu Ala Leu Asp Asp Gly Pro Glu Gly Leu Ser Leu Leu Val Thr Pro
 65 70 75 80
 Leu Trp Val Leu Phe Pro Tyr Leu Ser Val Thr Arg Phe Leu Ile Leu
 85 90 95
 Ile Pro Cys Cys Glu Phe Gly Ser Leu Cys Trp Ala Ile Gln Ser Ser
 100 105 110
 Ser Glu Arg Ala Lys Leu Val Leu Glu Leu Arg Cys Arg Trp Gly Lys
 115 120 125
 Arg Gly Thr Gln Leu Asp Thr Lys Lys Gly Ser Leu Pro Ser Leu Ser
 130 135 140
 Pro Xaa Thr Val Arg Gly Ile Leu Ser Arg Gln Pro Pro Asn Ser Pro
 145 150 155 160

Ser His Leu Pro Ser Phe Val Glu Thr Ala Phe Asp Ser Pro Ser Leu
 165 170 175

Ser Leu Pro Phe Arg Val Ser Cys Leu Val Ser Gly Leu Arg Glu Phe
 180 185 190

Leu Ser Leu Leu Pro Arg Thr Leu Lys Glu Leu Leu Leu Lys Thr Gly
 195 200 205

Glu Tyr Gln Ala Tyr Leu Tyr Met Cys Asn Ser Ala Arg Ile Gln Arg
 210 215 220

Lys Ser Ser Phe Gln Pro Leu Pro Leu Gly Arg Trp Phe Arg Val Pro
 225 230 235 240

His Arg Asp

<210> 810

<211> 17

<212> PRT

<213> Homo sapiens

<400> 810

Leu Leu Leu Leu Leu Phe Met Leu Ser Leu Gly Lys Pro Leu Gly Arg
 1 5 10 15

Thr

<210> 811

<211> 44

<212> PRT

<213> Homo sapiens

<400> 811

Pro Ala Arg Leu Leu Pro Pro Gly Pro Ala Val Ala Leu Leu Leu Leu
 1 5 10 15

Arg Gly Ser Cys Ser Leu Cys Cys Cys His Gln Pro His Lys Ala Ser
 20 25 30

Cys Lys Ala Met Pro Ser Ala Gly Ser Asn Val Pro
 35 40

<210> 812

<211> 22

<212> PRT

<213> Homo sapiens

<400> 812

Gly Ser Leu Leu Ser Gln Ile Leu His Met Ala Cys Asp His Pro Arg
 1 5 10 15

Gly Leu Thr Val Gly Ala
20

<210> 813
<211> 32
<212> PRT
<213> Homo sapiens

<400> 813
Met Ala Pro Ala Pro Cys Ser Ala Ser Pro Arg Pro Ala Gly Gly Arg
1 5 10 15
Asp Gly Gly Gly Ala Pro Glu Leu Ser Phe Leu Leu Ser Val Leu Val
20 25 30

<210> 814
<211> 68
<212> PRT
<213> Homo sapiens

<400> 814
Met Leu Leu Leu Phe Leu Leu Asn Leu Leu Pro Val Pro Gln Ala Leu
1 5 10 15
Pro Ala Leu Ser Trp Pro Trp Val Phe Val Ile Ala Ile Pro Leu Leu
20 25 30
Gly Ser Thr Val Leu Pro Asp Leu Cys Lys Ala Gly Ser Leu Phe Ser
35 40 45
Phe Ser Phe Ala Leu Met Pro Leu Pro Gln Ser Cys His Cys Ala Thr
50 55 60
Pro Val Lys Ala
65

<210> 815
<211> 9
<212> PRT
<213> Homo sapiens

<400> 815
Val Phe Tyr Cys Tyr Gly Leu Ile Ile
1 5

<210> 816
<211> 8
<212> PRT
<213> Homo sapiens

<400> 816

His Arg Ala Val Ile Leu Ala Leu
1 5

<210> 817

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 817

Met Ala Leu Ser Asn Ser Val Ala Pro Lys Pro Ser Pro Pro Trp Pro
1 5 10 15Leu Leu Gly Cys Phe Leu His Ser Pro Ser His Phe Leu Val Cys Cys
20 25 30Ile Leu His Thr Phe Ile Met Phe Thr Val Ala Leu Leu Cys Ser Asp
35 40 45Gly His Pro Xaa Arg Pro Gly Val Leu Pro Gly Pro Leu Leu Tyr Leu
50 55 60Glu Cys Arg Ile Leu Gly Ser Ser Asp
65 70

<210> 818

<211> 45

<212> PRT

<213> Homo sapiens

<400> 818

Met Ala Ala Ala Lys Ala Leu Ile Ser Leu Trp Leu Val Ser Ala Cys
1 5 10 15Gly Gln Trp Glu Thr Ser Phe Pro Ile Tyr Gly Gly Asp Met Glu Cys
20 25 30Gln Ala Val Val Phe Trp Trp Leu Glu Glu Glu Arg Lys
35 40 45

<210> 819

<211> 43

<212> PRT

<213> Homo sapiens

<400> 819

Met Ala Pro Leu Pro Thr Pro Leu Thr Ala Leu Gly Ala Ser His Leu
1 5 10 15

Pro Phe Arg Cys Leu Ser Cys Leu Asp Ala Cys Leu Phe Leu Trp Gly

FOI b7D b7C b7E

30

426

<210> 823
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 823
 Ile Val Ile Leu Cys Met Cys Ala Phe Ser Leu Trp Val Ile Val Arg
 1 5 10 15

Ile

<210> 824
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 824
 Met Leu Ala Ala Leu Ala Cys Ser Trp Arg Leu Leu Ser Leu Gly Ala
 1 5 10 15

His Ser Gly Arg Ala
 20

<210> 825
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 825
 Met Ser Ser Phe Gly Lys Cys Leu Phe Ile Leu Val Leu Gly Leu Phe
 1 5 10 15

Phe Asn Trp Val Phe Val Phe Phe Phe Ala Ile Asp Phe Leu Lys Phe
 20 25 30

Leu Asp Ser Asn Leu Leu Ser Asp Met Trp Phe Thr Asn Ile Phe Ser
 35 40 45

Tyr Ser Val Asp Cys Leu Phe Ile Leu Ser Ile Ile Ser Phe Ala Leu
 50 55 60

<210> 826
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 826
 Met Pro Gly Pro His Gln Leu Cys Leu Ile Asn Ala Gly Gln Pro Cys
 1 5 10 15

Ser Leu Val Thr Ser Val Gly His Trp Leu Leu Gly Val Phe Ser Ile

20

25

30

Leu Pro Cys Ser Leu Leu Ala Pro Gly Glu Lys Gly Pro Tyr Arg Ser
 35 40 45

Leu Phe Gln Val Thr Arg Ser Trp Gly Gly Pro
 50 55

<210> 827

<211> 41

<212> PRT

<213> Homo sapiens

<400> 827

Met Thr Thr Ser Ser Leu Ala Val Gly Cys Phe Gly Trp Leu Arg Leu
 1 5 10 15

Leu Leu His Phe Leu Asp Pro Gly Asn Tyr Ser His Gln Asp Asp Met
 20 25 30

Asp Gln Ser Thr Val Phe Lys His Asp
 35 40

<210> 828

<211> 6

<212> PRT

<213> Homo sapiens

<400> 828

Met Pro Phe Tyr Pro Cys
 1 5

<210> 829

<211> 38

<212> PRT

<213> Homo sapiens

<400> 829

Met Gly Val Leu Pro Gly Leu Phe Pro Phe Pro Pro Ser Leu Ala Thr
 1 5 10 15

Val Leu Gly Val Trp Gln Leu Phe Gly Phe Phe Phe Phe Leu Gln Leu
 20 25 30

Cys Val Cys Val Phe Val
 35

<210> 830

<211> 123

<212> PRT

<213> Homo sapiens

<400> 830

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Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
 1 5 10 15
 Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
 20 25 30
 Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
 35 40 45
 Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
 50 55 60
 Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
 65 70 75 80
 Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
 85 90 95
 Leu Phe Ile Ile Val Met Arg Arg Ala Pro Pro Ile Cys Thr Val His
 100 105 110
 Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
 115 120

<210> 831
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 831
 Glu Leu Leu Ile Leu Asn Phe Cys Lys Cys Phe Leu Leu Gln Ser Met
 1 5 10 15
 Val Phe Ala Lys Thr Cys Gly Ser Trp Arg Ser Gln Ala Cys Leu Val
 20 25 30
 Gly Thr Ser Met Arg Ser Val Leu Asn Pro Arg Val Lys Ser Gly Arg
 35 40 45
 Phe Val Lys Ile Leu Pro Asp Tyr Glu His Met Ala Tyr Arg Asp Val
 50 55 60
 Tyr Thr Cys Leu Leu His Arg Tyr Arg His Ile Leu Gly Leu Trp Gln
 65 70 75 80
 Pro Asp Ile Gly Pro Tyr Gly Gly Leu Leu Asn Val Val Val Asp Gly
 85 90 95
 Leu Phe Ile Ile Gly Xaa Met Arg Arg Ala Pro Pro Ile Cys Thr Val
 100 105 110
 His Ser Thr Ser Ile Ala Phe Leu Phe Tyr Phe Phe
 115 120

<210> 832
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 832
 Met Val Trp Leu Pro Arg Pro Ser Leu Gly Trp Val Trp Gly Trp Ser
 1 5 10 15
 Gly Leu Ala His Ala Ser His Leu Cys Leu His Leu Cys Cys His Pro
 20 25 30
 Ala Pro Pro Ser Ser Ser Ser Pro Thr Ser Ser Ser Leu Cys Ala Ser
 35 40 45
 Val Ser Cys Arg Lys Lys Trp Val Glu Pro Glu Arg Arg Leu Ser Glu
 50 55 60
 Glu Gly Arg Gly Arg Ala Trp Gly Gly Ser Pro Thr Pro His Pro Lys
 65 70 75 80
 Pro Gln Gly Leu Pro Pro Gly Ser Gly Arg Gly Arg Ser Trp Leu Cys
 85 90 95
 Gly Val Val Ala Pro Leu Leu Leu Pro Cys Phe Ser His Leu Ser Cys
 100 105 110
 Pro Ser Leu Val Pro Thr Ala Val His His Glu
 115 120

<210> 833
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 833
 Met Ser Gly Asn Ile Ile Glu Lys Thr Leu Phe Pro Val Phe Trp Val
 1 5 10 15
 Ser Met Asn Phe Trp Gly Ile Leu Thr Tyr Tyr Ile Leu Thr Arg Leu
 20 25 30
 Ile Tyr Ala Lys Tyr Pro Thr Gly Arg Gln Leu
 35 40

<210> 834
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 834
 Ser Phe Tyr Val Leu Phe Ser Asn Leu Gln Trp Tyr Val Phe Asn Ile
 1 5 10 15
 Phe Ala Thr Tyr Thr Leu Gly Lys Lys Lys Met

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25

<210> 835
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 835
 Met Leu Arg Gln Val Phe Phe Phe Pro Leu Cys Leu Gly Pro Val Arg
 1 5 10 15
 Gly Leu Leu Arg Thr Val Ser Val Ile Glu Gly Leu Tyr Ser Phe Gln
 20 25 30

Leu

<210> 836
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 836
 Asn Thr Met Ile Ala Ala Gly Ser Cys Asp
 1 5 10

<210> 837
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 837
 Met Thr Leu Trp Lys Cys Gly Arg Thr Thr Leu Arg Ala Ser Leu Leu
 1 5 10 15
 Met Ile Phe Thr Ser Cys Ser Trp Trp Leu Gly Val Cys Leu Ser Val
 20 25 30

Leu Val Arg Gln Arg Cys Gln Glu Asn Asp Gly
 35 40

<210> 838
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 838
 Trp Thr Pro Ser Arg Pro Arg His Pro Trp Gly Arg Trp Thr Leu Ala
 1 5 10 15
 Thr Trp Trp Pro His Trp Thr Arg Gly Leu Pro Val Thr Ser Pro Leu
 20 25 30

Pro Ala Ile Thr Thr Pro Ser Ser Ser His Leu Gly Arg Leu Pro Leu
 35 40 45

Trp Gly Pro Arg Ile Arg Leu Cys Leu Val Pro Cys Cys Trp Ser Trp
 50 55 60

Pro Arg Pro Ser Thr Gly Ser
 65 70

<210> 839

<211> 39

<212> PRT

<213> Homo sapiens

<400> 839

Met Ala Ala Lys Ser Ala Thr Tyr Trp Gly Trp His Trp Val Asp Trp
 1 5 10 15

Arg Trp Trp Cys Thr Ala Cys Gly Val Leu Arg Phe Trp Ser Gly Cys
 20 25 30

Arg Glu Gly Ser Gln Leu Cys
 35

<210> 840

<211> 51

<212> PRT

<213> Homo sapiens

<400> 840

Met Cys Trp Tyr Val Ile Ser Arg Pro Leu Trp Leu Asn Arg Leu Cys
 1 5 10 15

Met Ser Ser Arg Leu Phe Val Leu Pro Gln Pro Ser Val Leu Ile Thr
 20 25 30

Leu Arg Pro Ala Ala Ser Val Gly Phe Leu Pro Val Gly Glu His Ile
 35 40 45

Ser Arg Leu
 50

<210> 841

<211> 20

<212> PRT

<213> Homo sapiens

<400> 841

Met Leu Phe Val Leu Leu Ile Trp Lys Leu Tyr Met Ile Tyr Ile Lys
 1 5 10 15

Thr Phe Cys Phe
 20

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<210> 842
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 842
 Leu Phe Trp Ser Val Ser Glu Thr Gly Ile Ala Phe Gly Val Ser Arg
 1 5 10 15
 Val Leu Gly Met Leu Glu Gly His Leu Gln Glu Ala Trp Gly Arg Arg
 20 25 30
 Glu Ile Ser Cys Asp Ala Leu
 35

<210> 843
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 843
 Met Phe Phe Ala Pro Thr Val Leu Gly Leu Ala Arg Leu Arg His Trp
 1 5 10 15
 Val Tyr Leu Leu Cys Phe Ser Ala Gly Asn Tyr Tyr Asn Gln Gly Glu
 20 25 30
 Thr Arg Lys Lys Glu Leu Leu Gln Ser Cys Asp Val Leu Gly Ile Pro
 35 40 45
 Leu Ser Ser Val Met Ile Ile Asp Asn Arg Asp Phe Pro Asp Asp Pro
 50 55 60
 Gly Met Gln Trp Asp Thr Glu His Val Ala Arg Val Leu Leu Gln His
 65 70 75 80
 Ile Glu Val Asn Gly Ile Asn Leu Val Val Thr Phe Asp Ala Gly Gly
 85 90 95
 Val Ser Gly His Ser Asn His Ile Ala Leu Tyr Ala Ala Val Arg Ala
 100 105 110
 Leu His Ser Glu Gly Lys Leu Pro Lys Gly Cys Ser Val Leu Thr Leu
 115 120 125
 Gln Ser Val Asn Val Leu Arg Lys Tyr Ile Ser Leu Leu Asp Leu Pro
 130 135 140
 Leu Ser Leu Leu His Thr Gln Asp Val Leu Phe Val Leu Asn Ser Lys
 145 150 155 160
 Glu Val Ala Gln Ala Lys Lys Ala Met Ser Cys His Arg Ser Gln Leu
 165 170 175
 Leu Trp Phe Arg Arg Leu Tyr Ile Ile Phe Ser Arg Tyr Met Arg Ile
 180 185 190
 Asn Ser Leu Ser Phe Leu

195

<210> 844
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 844
 Met Phe Gln Asp Gln Glu Leu Ser Lys Leu Pro Ser Ala Phe Tyr Leu
 1 5 10 15
 Ser Ser Ile Gln Phe Asn Ser Asn His Ser Leu Pro
 20 25

<210> 845
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 845
 Met Ile Leu Ile Ser Val Ile Pro Ser Phe Phe Pro Val Ile Ser Ala
 1 5 10 15
 Val Gln Thr Thr Tyr Glu Gln Cys
 20

<210> 846
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 846
 Met Cys Val Phe Val Tyr Glu Leu Met Leu Leu Ser Leu Val Phe Leu
 1 5 10 15
 Pro His Trp Ser Leu Pro Ser Leu Pro Tyr Phe Ser Phe Ala Leu His
 20 25 30
 Ser Asn Thr Val Lys Pro Asp Ile Tyr Phe Leu Cys Gly Ser Asn Ser
 35 40 45
 Leu Ile Phe Pro Val Asp Lys Arg Tyr Val Phe Tyr Ser Phe Ile Ser
 50 55 60
 Leu Ile Val Asn Arg Lys Gln Leu Glu Asn Trp Asn Thr Phe Ser Leu
 65 70 75 80
 Cys Gly Cys

<210> 847
 <211> 28
 <212> PRT

<213> Homo sapiens

<400> 847

Met Pro Val Trp Lys Cys Leu Leu Trp Cys Thr Pro Leu Leu Arg Cys
1 5 10 15

Thr Gln Leu Leu Leu Gln Leu Gln Ser Arg Cys Cys
20 25

<210> 848

<211> 33

<212> PRT

<213> Homo sapiens

<400> 848

Met Cys Ser Phe His Ile Asn Phe Cys Leu Leu Ser Ser Thr Phe Ile
1 5 10 15

Leu Leu Thr Gly Leu Cys Phe Ser Val Tyr Ala Ser Asn Ile Trp Val
20 25 30

Cys

<210> 849

<211> 88

<212> PRT

<213> Homo sapiens

<400> 849

Ser Leu Lys Ile Phe Ser Val Ser Gly Val Leu Gln Gly Trp Pro Leu
1 5 10 15

Ala Pro Glu Pro Leu Pro Gln Cys Ser His Gln Pro Pro Pro His Pro
20 25 30

Ser Val Cys Arg Ala Ser Ser Thr Gly Pro His Ala Ala Phe Phe Thr
35 40 45

His Ser Ala Leu Gly Arg Phe Val Ile Trp Leu Ser Leu His Trp Ala
50 55 60

Glu Val Cys Val His Arg Val Gly Val Pro Ser Ser Pro Phe His Ser
65 70 75 80

Glu Gly His Thr Gln Arg Cys Gln
85

<210> 850

<211> 65

<212> PRT

<213> Homo sapiens

<400> 850

Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala

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1 5 10 15
 Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
 20 25 30
 Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala His Gly Leu
 35 40 45
 Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Ala Pro Ala Val
 50 55 60
 Ser
 65

<210> 851
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 851
 Glu Arg Ser Ser Leu Met Ser Cys Ala Phe Phe
 1 5 10

<210> 852
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 852
 Met Glu Thr Pro Gln Leu Gln Val Gln Gly Gln Leu Leu His Leu Leu
 1 5 10 15
 Leu Cys Leu Tyr His His Lys Val Val Gln Gln Lys Leu Leu Leu Leu
 20 25 30
 Ile Leu Leu Lys Leu Leu Lys Val Thr Thr Leu Tyr Pro Met Glu Gln
 35 40 45
 Ile Leu Gly Ser Phe His Gln Leu Glu Arg Ser Phe Ile Gly Ile Ile
 50 55 60
 Leu Ser His Arg Leu Leu Arg Pro
 65 70

<210> 853
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 853
 Met Ser Gly Val Lys Leu Gln Leu Phe Gly Thr Arg Leu Ser Leu Pro
 1 5 10 15
 Leu Ser Ser Tyr
 20

<210> 854
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 854
 Met Ala Xaa Gly Ser Phe Leu Phe Phe Cys Leu Val His Ile Asn Val
 1 5 10 15
 Ala Thr Ser Phe Leu Asp Leu Gly Leu Ser
 20 25

<210> 855
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 855
 Met Thr Cys His Ile Gln Phe Val Phe Val Pro Thr Val Arg Gly Leu
 1 5 10 15
 Asn Phe Ile Ile Leu Ala Phe Cys Ser
 20 25

<210> 856
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 856
 Met Asn Ser Tyr Met Cys Ala Cys Val Phe Ser Ser Glu Ile His Leu
 1 5 10 15
 Gly Gly Gly Phe Phe Cys Phe Phe Asn Ser Val Pro Asp Leu
 20 25 30

<210> 857
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 857
 Met Arg Leu Thr Asp Ser Leu Phe Leu Trp Val Gly Ala Thr Pro His
 1 5 10 15
 Leu Arg Asn Leu Ala Val Ala Met Cys Ser Arg Tyr Asp Ser Ile Pro
 20 25 30

Val Ser Thr Ser Leu Leu Gly Asp Thr Ser Asp Thr Thr Ser Thr Gly
 35 40 45

Leu Ala Gln Arg Leu Ala Arg Lys Thr Asn Lys Gln Val Phe Val Ser
 50 55 60

Tyr Asn Leu Gln Asn Thr Asp Ser Asn Phe Ala Leu Leu Val Glu Asn
 65 70 75 80

Arg Ile Lys Glu Glu Met Glu Ala Phe Pro Glu Lys Phe
 85 90

<210> 858
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 858
 Met Cys Cys Trp Ile Arg Phe Ala Ser Ile Leu Leu Arg Ile Phe Thr
 1 5 10 15

Pro Met Phe Ile Arg Asp Ile Gly Leu Lys Phe Cys Phe Phe Val Val
 20 25 30

Ser Leu Pro Ser Phe Val Ile Arg Met Met Leu Ala Ser
 35 40 45

<210> 859
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 859
 Met Ser Leu Leu Leu Glu Ser Cys Val Glu Pro Leu Ser Phe Leu Leu
 1 5 10 15

Leu Leu Gln

<210> 860
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 860
 Met Cys Ala Leu Gly Lys Leu Cys Leu Ile Leu Gln Ser Trp His Pro
 1 5 10 15

Leu

<210> 861

<211> 37
 <212> PRT
 <213> Homo sapiens

<400> 861
 Leu Ile Ser Leu Ala Phe Leu Leu Pro Gly Ile Leu Gly Lys Thr Asn
 1 5 10 15
 Gly Phe Ser Arg His Pro Leu Ser Thr Asn Ala Phe Leu Lys Gln Thr
 20 25 30
 Gly Thr Phe Leu Leu
 35

<210> 862
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 862
 Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
 1 5 10 15
 Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
 20 25 30
 Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
 35 40 45
 Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn Met Ala
 50 55 60
 Phe Cys Phe Ser Met
 65

<210> 863
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 863
 Met Lys Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu
 1 5 10 15
 Ala Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys
 20 25 30
 Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln Arg
 35 40 45
 Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn Met Ala
 50 55 60
 Phe Cys Phe Ser Met
 65

<210> 864
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 864
 Ser Val Trp Gly Ser Phe Leu Ser Met Leu Met Leu Leu Leu Ser Val
 1 5 10 15

Cys

<210> 865
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 865
 Met Ala Ile Ser Tyr Val Ser Ser Trp Ile Ile Leu Leu Asp Tyr Leu
 1 5 10 15

Gly Ser Lys Asp Gly Phe Gln Leu Phe Pro Glu Ser
 20 25

<210> 866
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 866
 Gln Arg Pro Trp Ile Leu Thr Thr Asp Leu Ser Val Phe Phe Leu Cys
 1 5 10 15

Leu Phe Pro

<210> 867
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 867
 Met Pro Cys Gly His Leu Arg Ile Arg Ala Gly Ile Ala Gly Gly Ser
 1 5 10 15

Gly Ala Ala Gln Ser Leu Leu Phe Pro Tyr Leu Glu Ser Leu Trp Glu
 20 25 30

Cys Asp Phe Asp Arg Ala
 35

<210> 868

<211> 47
 <212> PRT
 <213> Homo sapiens

<400> 868
 Met Asn Val Leu Cys Gly Tyr Gly Leu Pro Ile Gly Arg Trp Phe Trp
 1 5 10 15
 Gly Leu Arg Ile Ile Leu Lys Leu Ser Leu Thr Asp Ser Pro Val Phe
 20 25 30
 Tyr Lys Leu Thr Thr Asn Leu Ser Lys Asp His Leu Gly Arg His
 35 40 45

<210> 869
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 869
 His Ser Cys Gly Pro Asp Thr Cys Val Cys Pro Ser Pro Val Ser Pro
 1 5 10 15
 Cys Leu Pro Val Pro Leu Ala Ala Leu Met Val Thr Pro Lys Gly Ser
 20 25 30
 Asn Pro Cys
 35

<210> 870
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 870
 Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
 1 5 10 15

<210> 871
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 871
 Phe Leu Ile Ser Leu Cys Ile Leu Ile Pro Phe Leu Ile Leu Ser Pro
 1 5 10 15

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<210> 872
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 872
 Met Trp Pro Leu Ile Gly Tyr Leu Thr Lys Ser Leu Leu Asn Phe Ile
 1 5 10 15
 Leu Cys Val Ile Ile Ala Met Cys Leu Cys Val Leu Ser Ser Ser Asp
 20 25 30
 Thr Tyr

<210> 873
 <211> 35
 <212> PRT
 <213> Homo sapiens
 <400> 873
 Met Thr Ser Leu Leu Gln Asn Cys Val Ile Phe Val Lys Val Val Gln
 1 5 10 15
 Tyr Met Thr Phe Asn Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
 20 25 30
 Phe Phe Trp
 35

<210> 874
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 874
 Met Leu Lys Leu Ile Leu Leu Leu Leu Phe Ser Gly Ala Thr Leu Ser
 1 5 10 15
 Ser Thr Trp Phe Thr Leu Asn Cys Leu Asn Ser Ile Thr His Leu Pro
 20 25 30
 Leu Thr Thr Val Thr Leu Tyr Ala Ser Cys Ile Leu Leu Gly Val Phe
 35 40 45
 Leu Asn Ser Ser Val Pro Ile Phe Phe Glu Leu Phe Val Glu Thr Val
 50 55 60
 Tyr Pro Val Pro Glu Gly Ile Thr Cys Gly Val Val Thr Phe Leu Ser
 65 70 75 80
 Asn Met Phe Met Gly Val Leu Leu Phe Phe Leu Thr Phe Tyr His Thr
 85 90 95
 Glu Leu Ser Trp Phe Asn Trp Cys Leu Pro Gly Ser Cys Leu Leu Ser
 100 105 110

Leu Leu Leu Ile Leu Cys Phe Arg Glu Ser Tyr Asp Arg Leu Tyr Leu
 115 120 125

Asp Val Val Val Ser Val
 130

<210> 875
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 875
 Met Ile Val Gln Glu Ser Pro Phe Leu Thr Met Asp Leu Leu Glu Ser
 1 5 10 15

Cys Phe Pro Tyr Val Leu Leu Arg Asn Ala Tyr His Ala Val Tyr Lys
 20 25 30

Gln Ser Val Thr Ser Ser Ala
 35

<210> 876
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 876
 Ile Ala Trp Val Gln Arg Thr Ser Cys Ser Cys Phe Gly Ile Gly Asp
 1 5 10 15

Trp Tyr Arg Glu Ser Ala Arg Pro Pro Glu Gln Tyr Val Gln Leu Pro
 20 25 30

Arg Thr Pro
 35

<210> 877
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 877
 Met Gly Arg Met Ala Ile Leu Ala Cys Ser Leu Pro Thr Thr Trp Ser
 1 5 10 15

Ser Leu Ser Glu Ala Glu Gly Thr Ser Cys Pro Ser Pro Leu Arg His
 20 25 30

Gly Phe Leu Ile Ala Gly Arg Gly Gly Leu Gly Val Asp Ile Gln His
 35 40 45

Ser Ser Arg Asn Arg Thr Pro Ser Glu Asp Glu Ala Ser Gly Leu Pro
 50 55 60

Pro Ala Trp Gln Thr Gln Pro Val Thr Pro Asn Ala Ala Met Ala Trp

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65

70

75

80

<210> 878
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 878
 Met Lys Leu Phe Cys Val Leu Ile Val Val Val Thr
 1 5 10

<210> 879
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 879
 Met Ser Gln Ala Cys Phe Pro Ile Ser Val Lys Leu Phe Glu Thr Leu
 1 5 10 15

Leu Cys Leu Cys Phe Val Cys Ala Cys Val
 20 25

<210> 880
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 880
 Pro Gly His Leu Trp Gly Gln Ser Cys Ala Ser Leu Pro Pro Cys Ala
 1 5 10 15

Leu Ser Ser Glu Leu Pro Glu Phe Leu
 20 25

<210> 881
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 881
 Ile Cys Val Ala Asn Tyr Arg Leu Trp Cys Lys Val Cys Leu Ile Phe
 1 5 10 15

Leu Pro Leu Thr Pro Ala Asn Cys Cys Ile Leu Asp Ser Leu Phe Gln
 20 25 30

Tyr Cys Ile Lys Thr Leu Val Leu Cys Trp Thr Glu
 35 40

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<210> 882
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 882

Met Asn Cys Phe Leu Ser Pro Leu Leu Thr Leu Leu Ala Lys Asn Gly
 1 5 10 15

Ala Phe Phe Ala Gly Ser Ile Leu Ala Val Leu Ile Ala Leu Thr Ile
 20 25 30

Tyr Asp Glu Asp Val Leu Ala Val Glu His Val Leu Thr Thr Val Thr
 35 40 45

Leu Leu Gly Val Thr Val Thr Val Cys Arg Ser Phe Ile Pro Asp Gln
 50 55 60

His Met Val Phe Cys Pro Glu Gln Leu Leu Arg Val Ile Leu Ala His
 65 70 75 80

Ile His Tyr Met Pro Asp His Trp Gln Gly Asn Ala His Arg Ser Gln
 85 90 95

Thr Arg Asp Glu Phe Ala Gln Leu Phe Gln Tyr Lys Ala Val Phe Ile
 100 105 110

Leu Glu Glu Leu Leu Ser Pro Ile Val Thr Pro Leu Ile Leu Ile Phe
 115 120 125

Cys Leu Arg Pro Arg Ala Leu Glu Ile Ile Asp Phe Phe Arg Asn Phe
 130 135 140

Thr Val Glu Val Val Gly Val Gly Asp Thr Cys Ser Phe Ala Gln Met
 145 150 155 160

Asp Val Arg Gln His Gly His Pro Gln Arg Leu Ser Ala Gly Gln Thr
 165 170 175

Glu Ala Ser Val Tyr Gln Gln Ala Glu Asp Gly Lys Thr Glu Leu Ser
 180 185 190

Leu Met His Phe Ala Ile Thr Asn Pro Gly Trp Gln Pro Pro Arg Glu
 195 200 205

Ser Thr Ala Phe Leu Gly Phe Ser Arg Ser Arg Phe Ser Gly Met Glu
 210 215 220

Gln Leu Leu Ala Ser Pro Lys Gly Val Cys Ser Leu Lys Met Pro Ser
 225 230 235 240

Leu Arg Leu Ser Ser Pro Tyr Asn Leu Ser Leu Ser Pro
 245 250

<210> 883
 <211> 65
 <212> PRT

<213> Homo sapiens

<400> 883

Met Ala Pro Ser Thr Ala Thr Arg His Trp His Ala His Cys Phe Ala
1 5 10 15

Ser Cys Arg Ser Thr Gly Met Gln Arg Leu Cys Gly Pro Gly Ile Pro
20 25 30

Lys Asn Ser Leu Pro Val Thr Ser Trp Trp Thr Trp Gly Ala Ser Thr
35 40 45

Thr Leu Gly Asp Thr Asp Met Thr Ile Thr Arg Gly Leu Ser Gln Arg
50 55 60

Pro
65

<210> 884

<211> 63

<212> PRT

<213> Homo sapiens

<400> 884

Met Gln Ile His Met Ile Pro Val Thr Tyr Glu Leu Lys Ile Arg Cys
1 5 10 15

Leu Leu Leu Phe Val Ser Phe Ser Arg Lys Met Ser Gln Gln Pro Ile
20 25 30

Arg Lys Leu Tyr Gln Ser Thr Leu Asp Tyr Lys Leu Thr Glu Thr Ile
35 40 45

Asn Asn Lys Ala Thr Gln Tyr Glu Tyr Asn Thr Pro Lys Gly Thr
50 55 60

<210> 885

<211> 31

<212> PRT

<213> Homo sapiens

<400> 885

Met Cys Cys Ser Cys Cys Gly Arg Tyr Pro Trp Val Leu Gly Lys His
1 5 10 15

Met Cys Ser Leu Leu Trp Leu Gln Ile Pro Ala Tyr Leu Lys Ser
20 25 30

<210> 886

<211> 46

<212> PRT

<213> Homo sapiens

<400> 886

Gly Ile Ile Gln Ser Val Leu Phe Cys Ala Trp Phe Val Leu Val Asn

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1 5 10 15
 Ile Ala Ser Gly Ser Phe Ile Ser Val Gln Gly Trp Arg Thr Pro Ala
 20 25 30
 Tyr Lys Pro Asn Leu Val Leu Cys Leu Phe Ser Tyr Gly Leu
 35 40 45

<210> 887
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 887
 Ala Gly Ala Gly Leu Pro Pro Gly Ser
 1 5

<210> 888
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 888
 Met Gly Tyr Asn Leu Ser Pro Gln Phe Thr Gln Leu Leu Val Ser Arg
 1 5 10 15
 Tyr Cys Pro Arg Ser Ala Asn Pro Ala Met Gln Leu Asp Arg Phe Ile
 20 25 30
 Gln Val Cys Thr Gln Leu Gln Val Leu Thr Glu Ala Phe Arg Glu Lys
 35 40 45
 Asp Thr Ala Val Gln Gly Asn Ile Arg Leu Ser Phe Glu Asp Phe Val
 50 55 60
 Thr Met Thr Ala Ser Arg Met Leu
 65 70

<210> 889
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 889
 Met Pro Leu His Ser Ser Leu Gly Gly His
 1 5 10

<210> 890
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 890

Gly Leu Val Ala Ala Val Arg Phe Ile Ser
 1 5 10

<210> 891
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 891
 Met His Leu Ala Phe His Ile Val Phe Ile Leu Gln Ala Ile Ala Cys
 1 5 10 15

Phe Ser Cys Ser Leu Pro Val Leu Ala Ala Gly Val Asp Arg Leu Leu
 20 25 30

Ser

<210> 892
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 892
 Ile Phe Leu His Leu Leu Ser Cys Ser Leu Leu Phe Ala Trp Thr Asn
 1 5 10 15

Gly Glu Lys Ser Ala Gln Asn Glu Ile Met
 20 25

<210> 893
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 893
 Met Asn Ile Leu Phe Ile Leu Cys Asn Leu Ile Trp Leu Leu Trp Gly
 1 5 10 15

Lys Gln His Val His Lys
 20

<210> 894
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 894
 Leu Glu Phe Ser Ser Val Ile Ser Glu Ser Leu Ile Tyr Leu Phe Val
 1 5 10 15

Leu Ser Phe Leu Leu Cys Cys Trp Tyr Val Ala Leu Met Glu Arg Leu
 20 25 30

His Gln Pro Ser Phe Phe Phe Leu Arg Gln Pro Gly Gln Gln Arg Glu
 35 40 45

Thr Ser Ser Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser
 50 55 60

<210> 895
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 895
 Met Leu Cys Gln Arg Ser Val Gly Tyr Lys Tyr Leu Ala Leu Phe Leu
 1 5 10 15

Gly Cys Leu Phe Cys Ser Ile Gly Leu Cys Thr Cys Cys Tyr Thr Ser
 20 25 30

Pro Met Leu Phe Trp
 35

<210> 896
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 896
 Met Ile Ser Val Trp Phe Asp Val Leu Phe Leu Ser Ser Val Ser Ala
 1 5 10 15

Trp Val Ser Val Cys Met Lys Trp Asn Lys Leu Pro Thr Ala Lys Lys
 20 25 30

Lys Lys Lys Lys
 35

<210> 897
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 897
 Met Ser Ser Leu Leu Leu Ile Ile Ile Leu Ala Leu Ser Leu Ala Tyr
 1 5 10 15

<210> 901
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 901
 Pro Ala Pro His Leu Pro Arg Leu Thr Leu Pro Cys Gln Val Val Trp
 1 5 10 15
 Gly Pro Arg Cys Trp Gly Gly Glu Ser Gly Ser
 20 25

<210> 902
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 902
 Met Cys Asp Val Leu Trp Gly Leu Phe Ile Leu Leu Val His Arg Arg
 1 5 10 15
 Gly Thr Leu Pro Gln Glu Ser Arg His Leu Ser Ser Ser Ser Ser Ser
 20 25 30
 Ser Ser Ala Thr Glu Glu Pro Pro Tyr Leu Gly Gln Val Ser His Cys
 35 40 45
 Leu Pro Val Met Phe Thr Thr His Glu Arg Thr Arg Arg Phe Asp Val
 50 55 60
 Ser Ile Lys Leu Asn Glu
 65 70

<210> 903
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 903
 Met Leu Leu Gly Leu Leu Val Ile Leu Val Ile Asn Leu Trp Met Arg
 1 5 10 15
 Gln Val Leu Ile Ser Thr Glu Phe Phe Asn Arg Arg Leu Cys Tyr Arg
 20 25 30
 Ser Tyr Arg Phe Phe Pro Gly Xaa Ala
 35 40

<210> 904

<211> 4
 <212> PRT
 <213> Homo sapiens

<400> 904
 Asp Lys Leu Met
 1

<210> 905
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 905
 Gly Lys Gly Arg Leu Ser Arg Gly Lys Tyr Tyr Gln Ser Ser
 1 5 10

<210> 906
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 906
 Asp Ile Leu Arg Leu Phe Val Ala Leu Gln Gly Cys Met Ala Gly Arg
 1 5 10 15
 Ala Gly Gln Arg Pro Glu Ser Gln Arg Thr Cys Pro Pro Gly Val Glu
 20 25 30
 Ser Glu Trp Arg Ala Gly Ser Thr Gly Ser Gly Ala Val Cys His Cys
 35 40 45
 Gly Gly Gly Gln Ala Asp Lys Thr Gln Glu Gly Asp Cys Gln
 50 55 60

<210> 907
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 907
 Leu Pro Gly Ser Arg Ser Arg Cys Phe Ile Phe Pro Leu Phe Ser His
 1 5 10 15
 Tyr Ile Val Ile Ser Pro Thr Leu Ser Leu Val Leu Phe Phe Ser Trp
 20 25 30
 Lys Thr Arg Lys Pro Leu Ser Pro Lys Cys
 35 40

<210> 908
 <211> 66
 <212> PRT

<213> Homo sapiens

<400> 908

Asp Leu Leu Leu Leu Phe Cys Gly Asp Val Pro Cys Ser Leu Tyr Val
 1 5 10 15
 Ser Ser His Val Cys Leu Cys Thr His Ile Ala Ser Cys Ala Val Phe
 20 25 30
 Val Ser Leu Pro Leu Met Pro Ala Ser Gly Met Met Glu Arg Leu Trp
 35 40 45
 Ser Arg Leu Arg Ile Met Thr Ala Tyr Lys Thr Asp Ser Thr Leu Thr
 50 55 60
 Gly Lys
 65

<210> 909

<211> 11

<212> PRT

<213> Homo sapiens

<400> 909

Met Cys Leu Pro Leu Met Pro Ser Trp Pro Arg
 1 5 10

<210> 910

<211> 265

<212> PRT

<213> Homo sapiens

<400> 910

Met Ala Thr Leu Leu Arg Pro Val Leu Arg Arg Leu Cys Gly Leu Pro
 1 5 10 15
 Gly Leu Gln Arg Pro Ala Ala Glu Met Pro Leu Arg Ala Arg Ser Asp
 20 25 30
 Gly Ala Gly Pro Leu Tyr Ser His His Leu Pro Thr Ser Pro Leu Gln
 35 40 45
 Lys Ala Leu Leu Ala Ala Gly Ser Ala Ala Met Ala Leu Tyr Asn Pro
 50 55 60
 Tyr Arg His Asp Met Val Ala Val Leu Gly Glu Thr Thr Gly His Arg
 65 70 75 80
 Thr Leu Lys Val Leu Arg Asp Gln Met Arg Arg Asp Pro Glu Gly Ala
 85 90 95
 Gln Ile Leu Gln Glu Arg Pro Arg Ile Ser Thr Ser Thr Leu Asp Leu
 100 105 110
 Gly Lys Leu Gln Ser Leu Pro Glu Gly Ser Leu Gly Arg Glu Tyr Leu
 115 120 125

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Arg Phe Leu Asp Val Asn Arg Val Ser Pro Asp Thr Arg Ala Pro Thr
 130 135 140

Arg Phe Val Asp Asp Glu Glu Leu Ala Tyr Val Ile Gln Arg Tyr Arg
 145 150 155 160

Glu Val His Asp Met Leu His Thr Leu Leu Gly Met Pro Thr Asn Ile
 165 170 175

Leu Gly Glu Ile Val Val Lys Trp Phe Glu Ala Val Gln Thr Gly Leu
 180 185 190

Pro Met Cys Ile Leu Gly Ala Phe Phe Gly Pro Ile Arg Leu Gly Ala
 195 200 205

Gln Ser Leu Gln Val Leu Val Ser Glu Leu Ile Pro Trp Ala Val Gln
 210 215 220

Asn Gly Arg Arg Ala Pro Cys Val Leu Asn Leu Tyr Tyr Glu Arg Arg
 225 230 235 240

Trp Glu Gln Ser Leu Arg Ala Leu Arg Glu Glu Leu Gly Ile Thr Ala
 245 250 255

Pro Pro Met His Val Gln Gly Leu Ala
 260 265

<210> 911
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 911
 Glu Lys Gln Leu Tyr Leu Glu Ser Tyr Cys Leu Gly Phe Leu Ile Arg
 1 5 10 15

His Ser Ser Pro Asp
 20

<210> 912
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 912
 Met Ala Gly Arg Val Gly Tyr Leu Arg Tyr Cys Leu Phe Xaa Ile Ser
 1 5 10 15

Ala Leu Leu Ile Phe
 20

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<210> 913
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 913
 Met Cys Asn Leu Pro Glu Asn Leu Phe Cys Phe Trp Ser Thr Ser Gly
 1 5 10 15
 Val Ala Ser Gly Pro Arg Ala Phe Ala Thr Val Leu Pro Pro Ala Pro
 20 25 30
 Thr Ser Ser Val Cys Leu Gln Ser Leu Ile Tyr Arg Ser Pro Arg Cys
 35 40 45
 Leu Leu Tyr Ser Leu Cys Ala Trp Pro Phe Cys Tyr Leu Ala
 50 55 60

<210> 914
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 914
 Glu Leu Trp Trp Phe Trp Leu Leu Trp Thr Val Leu Ile Leu Phe Ser
 1 5 10 15
 Cys Cys Cys Ala Phe Arg His Arg Arg Ala Lys Leu Arg Leu Gln Gln
 20 25 30
 Gln Gln Arg Gln Arg Arg Asn Gln Leu Val Gly Leu Ser Trp Gly Met
 35 40 45
 Pro Trp Gly Trp Ser Phe Pro Tyr Arg Phe Thr Ala
 50 55 60

<210> 915
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 915
 Gly Arg Gly Pro Val Leu Gly Pro Met Val Tyr Ala Ile Cys Tyr Cys
 1 5 10 15
 Pro Leu Pro Arg Leu Ala Asp Leu Glu Ala Leu Lys Val Ala Asp Ser
 20 25 30
 Lys Thr Leu Leu Glu Ser Glu Arg Glu Arg Leu Phe Ala Lys Met Glu
 35 40 45
 Asp Thr Asp Phe Val Gly Trp Ala Leu Asp Val Leu Ser Pro Asn Leu
 50 55 60
 Ile Ser Thr Ser Met Leu Gly Arg Val Lys Tyr Asn Leu Asn Ser Leu
 65 70 75 80

456

<211> 33
 <212> PRT
 <213> Homo sapiens

<400> 919
 Met Phe Trp Thr Asn Leu Val Gln Tyr Val Phe Cys Leu Ser Phe Phe
 1 5 10 15
 Ile Leu Leu Leu Ser Gln Gln Val Glu Asn Leu Ala Leu Leu Gly Ser
 20 25 30

Met

<210> 920
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 920
 Met Xaa Leu Val His Xaa Ile Ile Val Leu Ile Phe Leu Pro Gly Met
 1 5 10 15

Thr Xaa Lys Xaa Glu Arg Arg Lys Lys Met Cys
 20 25

<210> 921
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 921
 Phe Val Cys Ile
 1

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<210> 922
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 922
 Leu Phe Leu Leu Phe Leu Val Phe Glu Leu Pro Trp Arg Arg Ala Trp
 1 5 10 15
 Glu Thr Ser Arg Gly Gln Ala Thr Asp Leu Arg Thr Ser Pro Pro Val
 20 25 30
 Leu Gly Ala Gly Arg Pro Arg Ser Gly Val Ser Thr His Ala Arg Leu
 35 40 45
 Lys Arg Arg Arg Arg Asp Pro Leu Pro Asp Arg Ala Arg Pro Pro Pro
 50 55 60
 Pro Leu Leu Pro Gln Gly Ala Trp Thr Ala Gly Leu Thr Cys Ser Leu
 65 70 75 80
 Leu Arg Val Cys Pro Arg Thr Ser Pro Pro Ala Pro Arg Trp Trp Arg
 85 90 95
 Gly His Gly Tyr Leu Ser Leu Leu Leu Leu Ala Trp Arg Arg Ala Val
 100 105 110
 Pro Ala Leu Gly Phe Trp Asp Ser Ser Pro Pro Gly Ala Phe Cys Ser
 115 120 125
 Pro Cys Gly Leu Ser Asp Pro Ser Pro
 130 135

<210> 923
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 923
 Glu Asn Ser Phe Lys Lys Asn Met Ser Leu Gly Ser Cys Val Val Leu
 1 5 10 15
 Leu Pro Gly Cys Lys Leu Ser Pro Pro Arg Ala Ser His Tyr His Gln
 20 25 30
 Thr Ser Ser Gly Pro Gly Cys Glu Ala Leu Phe Leu Val Phe Arg Met
 35 40 45
 Asp Leu
 50

<210> 924
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 924

Met Ala Pro Leu Arg Arg Leu Thr Val Trp Arg Val Gly Leu Arg Leu
 1 5 10 15

Gly Pro Ala Gly Ala Ala Gly Gly Pro Gly Glu Ala Ser Ser Val
 20 25 30

<210> 925
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 925
 Met Trp Asn Trp
 1

<210> 926
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 926
 Met Gly Ala Thr Ala Arg Pro Gly Pro Thr Arg Gly Arg Trp Asp Ser
 1 5 10 15

Cys Leu Arg Gln
 20

<210> 927
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 927
 Met Pro Phe Tyr Ile His Leu Trp His Gln Met Leu Leu Ile Ile Ile
 1 5 10 15

Val Met Trp Trp Ile Cys
 20

<210> 928
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 928
 Met Arg Ser Ile Trp Lys Pro Thr Arg Cys Trp Pro Leu Cys Thr Leu
 1 5 10 15

Leu Arg Ser Thr Ser Ser Gln His Trp Gln Lys Pro Val Ser Thr Phe
 20 25 30

Trp Arg Gln Val Trp Lys Pro Arg Thr Pro Ala Ser Cys Cys Pro Arg
 35 40 45

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Ala Gly Cys Leu Arg Ser Pro Ser
50 55

<210> 929
<211> 23
<212> PRT
<213> Homo sapiens

<400> 929
Met Leu Lys Gln Leu Leu Met Ile Ala Val Gly Val Lys Leu Gln Trp
1 5 10 15

Lys Leu Trp Leu Gln Asn Arg
20

<210> 930
<211> 5
<212> PRT
<213> Homo sapiens

<400> 930
Met Val Lys Asn Leu
1 5

<210> 931
<211> 45
<212> PRT
<213> Homo sapiens

<400> 931
Ala Ala Ala Phe Val Gly Trp Leu Ser Gly Leu Leu Gly Phe Ser Phe
1 5 10 15

Met Val Ala Arg Trp His Tyr Ser Asn Ser Ser Ile Met Phe Val Phe
20 25 30

Lys Thr Glu Gly Lys Gly Asp Gly Leu Tyr Gln Ser Leu
35 40 45

<210> 932
<211> 36
<212> PRT
<213> Homo sapiens

<400> 932
Met Ala Trp Arg Trp Trp Ala Lys Gly Gly Pro Ser Arg Leu Leu Leu
1 5 10 15

Trp Lys Thr Thr Gln Cys Leu Lys Glu Val Arg Glu Ala Pro Leu Lys
20 25 30

Thr Gln His Thr

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35

<210> 933
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 933
 Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
 1 5 10 15
 Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
 20 25 30

<210> 934
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 934
 Met Ala Leu Leu Ile Leu Leu Phe Cys Ile Leu Lys Tyr Lys Gln Leu
 1 5 10 15
 Asp Ile Ala Glu Asp Gly Ser Gly Gly Gln Gly Gln Ile Ser Gln Met
 20 25 30

<210> 935
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 935
 Met Gly Leu Trp Trp Arg Cys
 1 5

<210> 936
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 936
 Met Gly Leu Trp Trp Arg Cys
 1 5

<210> 937

<211> 323
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (226)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 937

Met	Glu	Leu	Ser	Lys	Ala	Phe	Ser	Gly	Gln	Arg	Thr	Leu	Leu	Ser	Ala	1	5	10	15
Ile	Leu	Ser	Met	Leu	Ser	Leu	Ser	Phe	Ser	Thr	Thr	Ser	Leu	Leu	Ser	20	25	30	
Asn	Tyr	Trp	Phe	Val	Gly	Thr	Gln	Lys	Val	Pro	Lys	Pro	Leu	Cys	Glu	35	40	45	
Lys	Gly	Leu	Ala	Ala	Lys	Cys	Phe	Asp	Met	Pro	Val	Ser	Leu	Asp	Gly	50	55	60	
Asp	Thr	Asn	Thr	Ser	Thr	Gln	Glu	Val	Val	Gln	Tyr	Asn	Trp	Glu	Thr	65	70	75	80
Gly	Asp	Asp	Arg	Phe	Ser	Phe	Arg	Ser	Phe	Arg	Ser	Gly	Met	Trp	Leu	85	90	95	
Ser	Cys	Glu	Glu	Thr	Val	Glu	Glu	Pro	Gly	Glu	Arg	Cys	Arg	Ser	Phe	100	105	110	
Ile	Glu	Leu	Thr	Pro	Pro	Ala	Lys	Arg	Glu	Asn	Pro	Met	Val	Ile	Pro	115	120	125	
Gly	Asn	Ala	Asp	His	Leu	His	Arg	Thr	Ser	Ile	His	Gln	Leu	Pro	Pro	130	135	140	
Ala	Thr	Asn	Arg	Leu	Ala	Thr	His	Trp	Glu	Pro	Cys	Leu	Trp	Ala	Gln	145	150	155	160
Thr	Glu	Arg	Leu	Cys	Cys	Cys	Phe	Leu	Cys	Pro	Val	Arg	Ser	Pro	Gly	165	170	175	
Asp	Val	Ala	His	Met	Met	Tyr	Ser	Gln	Val	Phe	Gln	Ala	Thr	Val	Asn	180	185	190	
Leu	Gly	Pro	Glu	Asp	Trp	Arg	Pro	His	Val	Trp	Asn	Tyr	Gly	Trp	Ala	195	200	205	
Phe	Tyr	Met	Ala	Cys	Ser	Pro	Ser	Xaa	Ala	Ala	Trp	Arg	Arg	Leu	Ser	210	215	220	

Pro Xaa Ser Thr Xaa Thr Pro Gly Trp Cys Trp Ser Ser Ser Ala Ser
225 230 235 240

Ile Val Lys Ser Phe Lys Glu Asn Pro Asn Cys Leu Pro His His His
245 250 255

Gln Cys Phe Pro Arg Arg Leu Ser Ser Ala Ala Pro Thr Val Gly Pro
260 265 270

Leu Thr Ser Tyr His Gln Tyr His Asn Gln Pro Ile His Ser Val Ser
275 280 285

Glu Gly Val Asp Phe Tyr Ser Glu Leu Arg Asn Lys Gly Phe Gln Arg
290 295 300

Gly Ala Ser Gln Glu Leu Lys Glu Ala Val Arg Ser Ser Val Glu Glu
305 310 315 320

Glu Gln Cys

<210> 938

<211> 37

<212> PRT

<213> Homo sapiens

<400> 938

Val Leu Ser Cys Trp Thr Trp Met Thr Trp Cys Gly Trp Leu Cys Pro
1 5 10 15

Thr Pro Ser Ala Ser Thr His Thr Ser Arg Asn Cys Thr Ala Ala Leu
20 25 30

Cys Arg Lys Asp Trp
35

<210> 939

<211> 7

<212> PRT

<213> Homo sapiens

<400> 939

Phe Val Lys Leu Arg His Pro
1 5

<210> 940

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 940
 Ala Trp Leu Ser His Leu Met Glu His His Ser Ser His Gly Gly Arg
 1 5 10 15
 Lys Arg Tyr Ala Cys Gln Gly Cys Trp Lys Thr Xaa His Phe Ser Leu
 20 25 30
 Ala Leu Ala Glu His Gln Lys Thr His Glu Lys Glu Lys Ser Tyr Ala
 35 40 45
 Leu Gly Gly Ala Arg Gly Pro Gln Pro Ser Thr Arg Glu Ser Gln Ala
 50 55 60
 Gly Ala Xaa Ala Gly Gly Pro Pro Xaa Xaa Val Glu Gly Glu Ala Pro
 65 70 75 80
 Pro Ala Pro Pro Glu Ala Gln Arg
 85

<210> 941
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 941
 Met Ala Ala Met Arg His Leu Leu Arg Leu Phe Ser Gly Cys Gly Asp
 1 5 10 15
 Leu Gly Phe Leu Thr Leu Tyr Ile Phe Phe Leu Tyr Ser Lys Gln Asn
 20 25 30
 Asn Phe

<210> 942
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 942
 Met Pro Phe Leu His Thr Pro Thr Val Pro Ser Ile Phe Leu Arg Val

1 5 10 15

Ile Ile Phe Leu Phe Thr Leu
20

<210> 943
<211> 38
<212> PRT
<213> Homo sapiens

<400> 943
Met Leu Arg Leu Ala Gly Pro Pro Phe Tyr Trp Pro Val Leu Leu Ala
1 5 10 15

Leu Leu Pro Phe Ala Ser Ser Gly Phe Gln Val Ser Leu Lys Val Gly
20 25 30

Gly Cys Leu Ser Ser Leu
35

<210> 944
<211> 12
<212> PRT
<213> Homo sapiens

<400> 944
Met Thr Ser Val Gln Gln Phe Cys Ile Tyr Ser Glu
1 5 10

<210> 945
<211> 56
<212> PRT
<213> Homo sapiens

<400> 945
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15

Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30

Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
35 40 45

Ala Arg Ser Ser Gln Leu Lys Arg
50 55

<210> 946
<211> 84
<212> PRT
<213> Homo sapiens

<220>

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<221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 946
 Met Leu Val Ser Ser His Phe Leu Phe Leu Cys Phe Val Arg Leu Leu
 1 5 10 15
 Ser Ser Leu Pro Leu Phe Leu Thr Ser Ile Thr Phe Leu Tyr Ser Pro
 20 25 30
 Ser Ser Pro Ser Leu Phe Leu Ser Leu Tyr Ser Phe Ser Tyr Pro Ser
 35 40 45
 Phe Ser Pro Leu Ser Phe Leu Pro Leu Xaa Leu Ile Ser Phe Pro Pro
 50 55 60
 Pro Met Pro Ser Ser Leu Phe Pro Phe Pro Cys Phe Phe Pro Gln Pro
 65 70 75 80
 Leu Phe Leu Phe

<210> 947
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 947
 Met
 1

<210> 948
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 948
 Met Pro Gln Ala Ser Thr His Ile Lys Ala Pro Pro Pro Ser Pro
 1 5 10 15
 Glu Pro Gly Asn
 20

<210> 949
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 949
 Met Phe His Leu Gln Pro Leu Met Phe Leu Gly Leu Phe Pro Leu Phe
 1 5 10 15
 Ala Val Phe Glu Gly Leu His Leu Ser Thr Ser Glu Lys Ile Phe Arg
 20 25 30

Phe Gln Asp Thr Gly Leu Leu Leu Arg Val Leu Gly Ser Leu Phe Leu
35 40 45

Gly Gly Ile Leu Ala Phe Gly Leu Gly Phe Ser Glu Phe Leu Leu Val
50 55 60

Ser Arg Thr Ser Ser Leu Thr Leu Ser Ile Ala Gly Ile Phe Lys Glu
65 70 75 80

Val Cys Thr Leu Leu Leu Ala Ala His Leu Leu Gly Asp Gln Ile Ser
85 90 95

Leu Leu Asn Trp Leu Gly Phe Ala Ser Ala Ser Arg Glu Tyr Pro Ser
100 105 110

Thr Leu Pro Ser Lys Pro Cys Ile Pro Glu Val Met Val Ala Pro Arg
115 120 125

Pro

<210> 950
<211> 13
<212> PRT
<213> Homo sapiens

<400> 950
Gln Lys Ala Ala Leu Arg Leu Pro Phe Pro Val Leu Leu
1 5 10

<210> 951
<211> 33
<212> PRT
<213> Homo sapiens

<400> 951
Met Ala Ser Thr Thr Leu Trp Leu Leu Trp Lys Thr Trp Leu Ser Ser
1 5 10 15

Gly Leu Arg Cys Val Gln Arg Val Pro Ser Arg Val Phe Tyr Ser Gly
20 25 30

Cys

<210> 952
<211> 8
<212> PRT
<213> Homo sapiens

<400> 952
Met Ser Leu Leu Leu Phe Leu Phe
1 5

<210> 953
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 953
 Met Thr Ser Gly Glu Pro Trp Ala Cys Ala Gly Cys Ser Phe Pro Ala
 1 5 10 15
 Thr Ala Ala Ala Ser Asp Phe Ala Ser Val Leu Pro Gly Val Glu Gly
 20 25 30
 Ser Val Cys Cys
 35

<210> 954
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 954
 Met Ser His Phe Arg Pro Ala Arg Cys Leu Pro Gly Pro Cys Gln Thr
 1 5 10 15
 Leu Leu Thr Phe Pro Leu Leu Val Cys Ala Gly Leu Arg Arg Pro Pro
 20 25 30
 Arg Pro His Ser Thr Gln Pro Gly Ser Ser Cys Ser Pro Arg His Pro
 35 40 45
 Ser Phe Pro Ser Leu Ser Trp Val Met Leu Leu Pro Pro Cys Val Thr
 50 55 60
 Phe Glu Ala Val Lys
 65

<210> 955
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 955
 Met Gly Arg Lys Leu Ser Ser Pro Thr Thr Pro Arg Asp Met Leu Leu
 1 5 10 15
 Ser Pro Thr Leu Arg Pro Arg Arg Arg Cys Leu Glu Ser Ser Val Asp
 20 25 30
 Asp Ala Gly Cys Pro Asp Leu Gly Lys Glu Pro Leu Val Phe Gln Asn
 35 40 45
 Arg Gln Phe Ala His Leu Met Glu Glu Pro Leu Gly Ser Asp Pro Phe
 50 55 60
 Ser Trp Lys Leu Pro Ser Leu Asp Tyr Glu Arg Lys Thr Lys Val Asp

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65		70		75		80									
Phe	Asp	Asp	Phe	Leu	Pro	Ala	Ile	Arg	Lys	Pro	Gln	Thr	Pro	Thr	Ser
			85						90					95	
Leu	Ala	Gly	Ser	Ala	Lys	Gly	Gly	Gln	Asp	Gly	Ser	Gln	Arg	Ser	Ser
		100						105					110		
Ile	His	Phe	Glu	Thr	Glu	Glu	Ala	Asn	Arg	Ser	Phe	Leu	Ser	Gly	Ile
	115						120					125			
Lys	Thr	Ile	Leu	Lys	Lys	Ser	Pro	Glu	Pro	Lys	Glu	Asp	Pro	Ala	His
	130					135					140				
Leu	Ser	Asp	Ser	Ser	Ser	Ser	Ser	Gly	Ser	Ile	Val	Ser	Phe	Lys	Ser
145					150					155					160
Ala	Asp	Ser	Ile	Lys	Ser	Arg	Pro	Gly	Ile	Pro	Arg	Leu	Ala	Gly	Asp
			165						170					175	
Gly	Gly	Glu	Arg	Thr	Ser	Pro	Glu	Arg	Arg	Glu	Pro	Gly	Thr	Gly	Arg
		180						185					190		
Lys	Asp	Asp	Asp	Val	Ala	Ser	Ile	Met	Lys	Lys	Tyr	Leu	Gln	Lys	
	195						200					205			

<210> 956
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 956
 Trp Leu Leu Leu Cys Gln Gly His Phe Trp Val Ser Ala Thr Ala Thr
 1 5 10 15
 Gly Ala Leu Gly Gly Glu Gly His Arg Val Leu Leu Gly Arg Trp
 20 25 30

<210> 957
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 957
 Met Phe Gln Ala Pro Ala Leu Ala Phe Leu Ser Gly Leu Gln Leu Ser
 1 5 10 15

Phe Val Ala Cys Ser Ile Tyr
 20

<210> 958
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 958

Met Gly Leu Trp Val Phe Leu Glu Leu Val Phe Val His Ser Leu Leu
 1 5 10 15

Phe Val Leu Pro Ser Leu Ser Pro Cys Pro Thr His Val Leu Arg His
 20 25 30

Ser Gly Ser Thr Trp
 35

<210> 959

<211> 38

<212> PRT

<213> Homo sapiens

<400> 959

Met Leu Ser Pro Ser Gln Thr Pro Gly Ser Cys Leu Lys Trp Ala Pro
 1 5 10 15

Ser Trp Val Thr Arg Cys Thr Phe Trp Thr Leu Val Val Ala Ser Leu
 20 25 30

Ala Gln Lys Gly Pro Lys
 35

<210> 960

<211> 75

<212> PRT

<213> Homo sapiens

<400> 960

Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 961

<211> 75

<212> PRT

<213> Homo sapiens

<400> 961

Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15

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Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 962
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 962
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 963
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 963
 Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
 1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
 20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
 35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
 50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
 65 70 75

<210> 964

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<211> 75
<212> PRT
<213> Homo sapiens
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<400> 964
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
  1                               5                10                15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
                20                25                30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
          35                40                45
Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
      50                55                60
Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
  65                70                75

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<210> 965
<211> 75
<212> PRT
<213> Homo sapiens
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<400> 965
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
  1                               5                             10                            15
Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
                                20                              25                             30
Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
                      35                          40                           45
Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
                    50                        55                         60
Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys
    65                70                 75
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<210> 966
<211> 30
<212> PRT
<213> Homo sapiens
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<400> 966
Phe Cys Leu Phe Val Cys Leu Phe Cys Met Ala His Val Phe Thr Ile
  1                               10                          15
Pro Gly Ala Leu Pro Ser Phe Val Trp Ile Gln Phe Ser Ile
      20                      25                      30

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$\langle 210 \rangle$	967
$\langle 211 \rangle$	21

<212> PRT
<213> Homo sapiens

<400> 967
Met Trp Leu Ser Ala Phe Phe Leu Ala Arg Leu Ala Asp Ser Val Leu
1 5 10 15
Glu Glu Ser Ile Ile
20

<210> 968
<211> 27
<212> PRT
<213> Homo sapiens

<400> 968
Met Ala Ser Trp Ile Cys Val Phe Cys Thr Ser Pro Ser Gly Cys Ser
1 5 10 15
Ala Thr Cys Leu Val Cys Tyr Pro Ala Phe Pro
20 25

<210> 969
<211> 34
<212> PRT
<213> Homo sapiens

<400> 969
Met Leu Phe Phe Phe Ser Ile Ala Leu Ser Ser Phe Phe Phe Leu Asn
1 5 10 15
Leu Phe Leu Cys Leu Cys Asn Ser Arg Val Ile Gly Ile Val Leu Thr
20 25 30
Ile Ser

<210> 970
<211> 71
<212> PRT
<213> Homo sapiens

<400> 970
Glu Arg Cys Leu Ser Leu Leu Phe Ala Ala Ile Ile Lys Ile Pro Ile
1 5 10 15
His Gly Val Asn Tyr Asn Glu Glu Lys Phe Ile Ser Trp Ser Ser Gly
20 25 30
Gly Trp Gly Val Pro Lys Ser Arg Cys Trp His Leu Val Arg Ser Phe
35 40 45
Leu Leu Ser Thr Pro Trp Trp Arg Val Glu Gly Gln Lys Glu Arg Glu
50 55 60

Gly Trp Arg Pro Ile Gly Gly
65 70

<210> 971
<211> 32
<212> PRT
<213> Homo sapiens

<400> 971
Met Ser Val Phe Arg Val Ile Gln Ile Leu Leu Phe Pro Phe Ser Leu
1 5 10 15
Arg Tyr Ser Leu Gly Asp Leu Met Tyr Leu Asn Leu Thr Thr Ile Tyr
20 25 30

<210> 972
<211> 118
<212> PRT
<213> Homo sapiens

<400> 972
Met Asp Leu Ala Gly Leu Leu Lys Ser Gln Phe Leu Cys His Leu Val
1 5 10 15
Phe Cys Tyr Val Phe Ile Ala Ser Gly Leu Ile Ile Asn Thr Ile Gln
20 25 30
Leu Phe Thr Leu Leu Leu Trp Pro Ile Asn Lys Gln Leu Phe Arg Lys
35 40 45
Ile Asn Cys Arg Leu Ser Tyr Cys Ile Ser Ser Arg Leu Gln Gly Pro
50 55 60
Gly Gln Glu Arg Ala Gly Leu Cys Pro Asn Tyr Arg Leu Asp Val Val
65 70 75 80
Leu His Arg Asp Gly Leu Leu Phe Ala Gln Val Gly Ala Gly Ser Gln
85 90 95
Asp Gly Cys His Gln Phe Ala Ala Pro Pro Gly Leu Pro Arg Glu Val
100 105 110
Phe Phe Pro Asp Ser Leu
115

<210> 973
<211> 42
<212> PRT
<213> Homo sapiens

<400> 973
Glu Trp Val Lys Gly Ile Val Ile Trp Gln Phe Tyr Leu Leu Phe Tyr

1 5 10 15
 Ala Cys Leu Ser Ser Ala Cys Leu Phe Ser Pro Ser Ala Asn Ile Pro
 20 25 30
 Phe Met Pro Trp Ala Phe Ser Thr Val Leu
 35 40

<210> 974
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 974
 Tyr Ile Thr Ser Cys Arg Leu Thr Thr Ser Phe Phe Cys Cys Phe Arg
 1 5 10 15
 Asn Leu Leu Ser Ile Ile Arg Leu Gln Asp Ser Ala Ser Ser Cys Leu
 20 25 30
 Asp Ser Ile Ser Lys Ser Pro Ser Ser Cys Pro Ser Xaa Met Ser Val
 35 40 45
 Xaa Thr Pro Gln Tyr Ile Lys Lys Ser Ile Ser Glu Ser Gly Leu
 50 55 60

<210> 975
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 975
 Met Trp Cys Leu Ser His Leu Ser Leu Ser Leu Ser Leu Ser His Leu
 1 5 10 15
 Ser Leu Ala Arg Arg Ala Gly Arg Pro Met Pro Trp Cys Pro Ala Thr
 20 25 30
 Gln Leu Val Ile Leu Trp Leu Gln Asn Trp Trp Ser Pro Met Met Asp
 35 40 45
 Met Arg Arg Ser Leu Arg
 50

<210> 976

<211> 58
 <212> PRT
 <213> Homo sapiens

<400> 976
 Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
 1 5 10 15
 Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
 20 25 30
 Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
 35 40 45
 Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
 50 55

<210> 977
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 977
 Met Gly Phe Pro Leu Trp Ile Thr Arg Pro Phe Ser Leu Ala Ala Leu
 1 5 10 15
 Asn Val Phe Phe Ile Pro Phe Asn Leu Gly Glu Ser Asp Asp Tyr Val
 20 25 30
 Ser Trp Gly Cys Ser Ser Arg Glu Val Ser Leu Trp Trp Ser Leu Ser
 35 40 45
 Phe Leu Asn Leu Asn Val Gly Leu Ser Cys
 50 55

<210> 978
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 978
 Leu Pro Arg Leu Gln Ser Ala Leu Leu Leu Leu Pro Leu Pro Pro Thr
 1 5 10 15
 Leu Gln Gly His Val Arg Ala Pro Ile Tyr Pro Pro Pro Ala Cys Arg
 20 25 30
 Ser

<210> 979
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 979

Met Pro His Pro Cys Leu Pro Val Ser Thr His Leu Glu Gly Arg Trp
 1 5 10 15

Gly Cys

<210> 980

<211> 266

<212> PRT

<213> Homo sapiens

<400> 980

Met Gln Ile Val Lys Leu Leu Gly Leu Asp Val Pro Ser Leu Cys Leu
 1 5 10 15

Ala Glu Leu Val Lys Thr Tyr Cys Ser Ser Phe Lys Leu Phe Gln Ala
 20 25 30

Ser Pro Ser Val Pro Ala Lys Tyr Val Glu Asp Lys Glu Lys Met Leu
 35 40 45

Ser Arg Thr Met Gln Leu Val Glu Leu Ala Asn Glu Thr Trp Leu Val
 50 55 60

Thr Gly Arg His Pro Leu Pro Val Ile Thr Ala Ala Thr Phe Leu Ala
 65 70 75 80

Trp Gln Ser Leu Gln Pro Ala Asp Arg Leu Ser Cys Ser Leu Ala Arg
 85 90 95

Phe Cys Lys Leu Ala Asn Val Asp Leu Pro Tyr Pro Ala Ser Ser Arg
 100 105 110

Leu Gln Glu Leu Leu Ala Val Leu Leu Arg Met Ala Glu Gln Leu Ala
 115 120 125

Trp Leu Arg Val Leu Arg Leu Asp Lys Arg Ser Val Val Lys His Ile
 130 135 140

Gly Asp Leu Leu Gln His Arg Gln Ser Leu Val Arg Ser Ala Phe Arg
 145 150 155 160

Asp Gly Thr Ala Glu Val Glu Thr Arg Glu Lys Glu Pro Pro Glu Trp
 165 170 175

Gly Gln Gly Gln Gly Glu Gly Glu Val Gly Asn Asn Ser Leu Gly Leu
 180 185 190

Pro Gln Gly Lys Arg Pro Ala Ser Pro Ala Leu Leu Leu Pro Pro Cys
 195 200 205

Met Leu Lys Ser Pro Lys Arg Ile Cys Pro Val Pro Pro Val Ser Thr
 210 215 220

Val Thr Gly Asp Glu Asn Ile Ser Asp Ser Glu Ile Glu Gln Tyr Leu
 225 230 235 240

Arg Thr Pro Gln Glu Val Arg Asp Phe Gln Arg Ala Gln Ala Ala Arg

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245

250

255

Gln Ala Ala Thr Ser Val Pro Asn Pro Pro
 260 265

<210> 981
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 981
 Ser Leu Phe Trp Gly Cys Pro Trp
 1 5

<210> 982
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 982
 Met Lys Lys Arg Leu Ser Pro Leu Ser Trp Ala Arg Cys Cys Leu Cys
 1 5 10 15

Phe Trp Leu Gln Trp Gly Arg Arg Thr Asn Arg Leu
 20 25

<210> 983
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 983
 Met Tyr Leu His Ser Leu Pro Phe Cys Phe Ala Gly Ile Ser Cys Leu
 1 5 10 15

Cys Cys Leu Ser Lys Leu Pro Val Glu Ile Leu Ser Ile Leu Ile Ile
 20 25 30

Asn Met Ser Leu Asp Ser Tyr Arg Leu Tyr Gln Pro Ala Leu Ser Phe
 35 40 45

Cys Gln Thr Glu Leu Ser Pro Leu Phe Pro Tyr Lys Ala Asp Leu Tyr
 50 55 60

Ser Cys Phe Ser Arg Tyr Cys Leu Tyr Ile Ser Leu Phe His Ser Pro
 65 70 75 80

Leu

<210> 984
 <211> 12
 <212> PRT

<213> Homo sapiens

<400> 984

Ala Gly Gly Leu Gly Leu His Ala Arg Cys Trp Arg
1 5 10

<210> 985

<211> 22

<212> PRT

<213> Homo sapiens

<400> 985

Ile Leu Ile Phe Met Val Phe Pro Phe Val Leu Val Phe Ala Ser Leu
1 5 10 15

Thr Ser Val Ile Ser Ile
20

<210> 986

<211> 18

<212> PRT

<213> Homo sapiens

<400> 986

Met Val Ala Trp Thr Ser Thr Trp Ser Arg Ala Trp Gln Ser Thr Leu
1 5 10 15

Arg Met

<210> 987

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (14)

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<222> (17)

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 987
 Met Arg Val Xaa Ala Pro Arg Thr Xaa Leu Leu Leu Leu Xaa Gly Ala
 1 5 10 15
 Xaa Ala Leu Thr Glu Thr Trp Ala Gly Ser His Ser Met Arg Tyr Phe
 20 25 30
 Tyr Thr Ala Xaa Ser Arg Pro Gly Arg Gly Glu Pro Arg Phe Ile Ala
 35 40 45
 Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp Ser Asp Ala
 50 55 60
 Arg Val Arg Gly Xaa Ser Xaa Gly Arg Leu Arg Arg Gln Gly Leu His
 65 70 75 80

Arg Pro Glu Arg Gly Pro Xaa Leu Leu Asp Arg Xaa Gly His Xaa Gly
85 90 95

Ser Asp His Pro Ala Gln Val Gly Gly Gly Pro Xaa Gly Gly Ala Ala
100 105 110

Glu Ser Leu Pro Gly Gly Xaa Val Arg Gly Val Ala Pro Gln Ile Pro
115 120 125

Gly Glu Arg Glu Gly Asp Ala Ala Ala Arg Gly Pro Pro Lys Asp Thr
130 135 140

Arg Asp Pro Pro Pro Xaa Leu
145 150

<210> 988
<211> 132
<212> PRT
<213> Homo sapiens

<400> 988
Leu Leu Arg Pro Leu Ala Trp Leu Val Leu Arg Ala Pro Arg Gly Gly
1 5 10 15

Ala Gln Thr Pro Leu Tyr Cys Ala Leu Gln Glu Gly Ile Glu Pro Leu
20 25 30

Ser Gly Arg Tyr Phe Ala Asn Cys His Val Glu Glu Val Pro Pro Ala
35 40 45

Ala Arg Asp Asp Arg Ala Ala His Arg Leu Trp Glu Ala Ser Lys Arg
50 55 60

Leu Ala Gly Leu Gly Pro Gly Glu Asp Ala Glu Pro Asp Glu Asp Pro
65 70 75 80

Gln Ser Glu Asp Ser Glu Ala Pro Ser Ser Leu Ser Thr Pro His Pro
85 90 95

Glu Glu Pro Thr Val Ser Gln Pro Tyr Pro Ser Pro Gln Ser Ser Pro
100 105 110

Asp Leu Ser Lys Met Thr His Arg Ile Gln Ala Lys Val Glu Pro Glu
115 120 125

Ile Gln Leu Ser
130

<210> 989
<211> 66
<212> PRT
<213> Homo sapiens

<400> 989
Glu Thr Val Gly Cys Gly Phe Ser Leu Ser Phe Phe Phe Asn Phe Leu
1 5 10 15

Cys Trp Val Phe Glu Gln Pro His Val Pro Phe Pro Gly Ser Leu Leu
 20 25 30

Ile Tyr Leu Leu Glu Leu Lys Trp Met Gly Ser Arg Ala Leu Cys Val
 35 40 45

Ser Met Leu Cys Phe Leu Thr Arg Leu His Ser Glu Ala Leu Met Pro
 50 55 60

Phe Gly
 65

<210> 990

<211> 29

<212> PRT

<213> Homo sapiens

<400> 990

Met Ala Thr Leu Ser Leu Arg Ala Gly Leu Gly Phe Cys Phe Leu Leu
 1 5 10 15

Gly Leu Thr Glu Tyr Phe Val Gly Phe His Leu Ile Pro
 20 25

<210> 991

<211> 29

<212> PRT

<213> Homo sapiens

<400> 991

Met Leu Ile Arg Leu Tyr Met Val Cys Gly Cys Phe Leu Pro Thr Thr
 1 5 10 15

Val Glu Leu Asn Ser Cys Ile Arg Asp Leu Met Ala Cys
 20 25

<210> 992

<211> 16

<212> PRT

<213> Homo sapiens

<400> 992

Met Thr Cys Cys Leu Leu Arg Ser Gly Val Pro Val Cys Leu Ser Leu
 1 5 10 15

<210> 993

<211> 78

<212> PRT

<213> Homo sapiens

<400> 993

Met Ser Pro His Gln Pro Met Gln Val Ser Ser Ser Lys Thr Ile Leu
 1 5 10 15

Trp Leu Val Leu Ser Cys Leu Cys Pro Ser Ser Pro His Pro Val Ile
 20 25 30

Ser Gly Leu Pro Gln Trp Tyr Ile Gly Val Leu Ala Gly Ile Val Pro
 35 40 45

Val Ala Pro Ile Arg Pro Gly Asp Ser Gly Leu Asp Leu Gln Arg Glu
 50 55 60

Gly Pro Gln Pro Ile Leu Ser Gln Gly Leu Asn Arg Arg Thr
 65 70 75

<210> 994

<211> 37

<212> PRT

<213> Homo sapiens

<400> 994

Met Gly Leu Arg Arg His Phe Pro Ala Leu Trp Val Leu Trp Trp Pro
 1 5 10 15

Trp Cys Pro Ser Trp Arg Gln Thr Arg Thr Pro Ser Ala Pro Ser Met
 20 25 30

Gln Met Ala Thr Arg
 35

<210> 995

<211> 26

<212> PRT

<213> Homo sapiens

<400> 995

Cys Gly Thr Ala Tyr Cys Leu Phe Thr Pro Ser Pro Gly Met Pro Gln
 1 5 10 15

Ala Ser Ala Phe His Cys Ser Ser Leu Phe
 20 25

<210> 996

<211> 39

<212> PRT

<213> Homo sapiens

<400> 996

Ala Leu Arg Gly Pro Ala Phe Asn Trp Leu Leu Cys Cys Ser Ser Thr
 1 5 10 15

Ile Phe Cys Arg Ala Gln Ile Ala Leu Pro Leu Ser Pro Ala Ser
 20 25 30

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Thr Pro Ser Pro Thr Thr Arg
35

<210> 997
<211> 33
<212> PRT
<213> Homo sapiens

<400> 997
Met Leu Leu Gly Thr Tyr Phe Lys Val Tyr Leu Ile Phe Lys Cys Phe
1 5 10 15

Tyr Ile Phe Leu Tyr Lys Ser Arg Lys Met His Phe His Leu Gln Lys
20 25 30

Ser

<210> 998
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 998
Met Gly Leu Val Glu Arg Leu Leu Xaa Cys Phe Thr His Gly Leu Trp
1 5 10 15

Gln Phe Ala Gln Thr Ala Pro Ile Arg Thr Pro Leu Ala Ala Phe Ala
20 25 30

<210> 999
<211> 196
<212> PRT
<213> Homo sapiens

<400> 999
Met Trp Phe Met Tyr Leu Leu Ser Trp Leu Ser Leu Phe Ile Gln Val
1 5 10 15

Ala Phe Ile Thr Leu Ala Val Ala Ala Gly Leu Tyr Tyr Leu Ala Glu
20 25 30

Leu Ile Glu Glu Tyr Thr Val Ala Thr Ser Arg Ile Ile Lys Tyr Met
35 40 45

Ile Trp Phe Ser Thr Ala Val Leu Ile Gly Leu Tyr Val Phe Glu Arg
50 55 60

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Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 1000
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 1000
 Met Arg Gln Arg Gln Ser His Tyr Cys Ser Val Leu Phe Leu Ser Val
 1 5 10 15
 Asn Tyr Leu Gly Gly Thr Phe Pro Val Tyr Gln Lys Ser Arg Asn Leu
 20 25 30
 Gln Arg Asp Lys Ile Gln Glu Thr Phe Ala Gln Lys Arg Ile Lys
 35 40 45

<210> 1001
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 1001
 Gly Arg Arg Arg Ala Gln Leu Leu Trp His Ile Ile Phe Leu Gln Leu
 1 5 10 15
 Tyr Phe Trp Ala Arg Trp Gln Arg Glu Gly Ser Val Met Pro Pro His
 20 25 30
 Arg His Ser Ile Arg Arg Arg Val Asp Ser Phe Trp Met Leu
 35 40 45

<210> 1002
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 1002
 Met Leu Leu Ala Val Ile Leu Gln Leu Ile Pro Pro Val Thr Lys Ala
 1 5 10 15
 Phe Val Tyr Glu Leu Thr
 20

<210> 1003
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 1003
 Met Pro Cys Leu Phe
 1 5

<210> 1004
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1004
 Met Gly Lys Lys His His Val Gly Arg Thr Ala Trp Val Phe Ala Leu
 1 5 10 15
 Val Val Val Cys Ile Leu Gly Pro Leu Leu Cys Ser Ser
 20 25

<210> 1005
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1005
 Met Val Pro Leu Leu Arg Leu Cys Ser Ser Phe Val Leu Leu Leu Phe
 1 5 10 15
 Cys Tyr Val Thr Ala Lys Lys Lys Lys Lys Lys Glu Lys Lys Ser Ala
 20 25 30
 Asn Cys Val His Ala Phe Leu Pro Ala Gly Met
 35 40

<210> 1006
 <211> 90

<212> PRT
 <213> Homo sapiens

<400> 1006
 Met Asn Ile Lys Cys Phe Val Met Cys Gly Gly Leu Tyr Leu Ala Ser
 1 5 10 15
 Ile Leu Val Thr Trp Arg Glu His Gly Ser Pro His Phe Leu Asp Glu
 20 25 30
 His Thr Asn Val Leu Arg Lys Cys Met Ile Gly Ser Lys Leu Gln Asn
 35 40 45
 His Leu Pro Ser Arg Ile Ile Pro Ile Ile Cys Thr Ala Ser Pro Gly
 50 55 60
 Ala Asn Gly Phe Ile Gln Arg Gly Ser Thr Glu Leu Trp Val Ile Arg
 65 70 75 80
 Arg Gln Tyr Pro Arg Val Arg Val Phe Pro
 85 90

<210> 1007
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1007
 Met Tyr Ile Phe Glu Leu Ser Leu Tyr Leu Glu Gly Thr Ser Phe Val
 1 5 10 15
 Val Val Leu Leu Phe Leu Leu Ile Ser Val Ser Leu Asp Ser Pro Pro
 20 25 30
 Thr Thr Lys Gly Trp Gly Leu Cys Leu Thr Tyr Leu Gly Ala Leu Ile
 35 40 45
 Val Gln
 50

<210> 1008
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 1008
 Val Glu Arg
 1

<210> 1009
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 1009

Glu Tyr Glu Ala Ala Val Gly Ala Ala Gln Glu Arg Ala Asp Pro Gly
 50 55 60

Ala Gly
 65

<210> 1013
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1013
 Met Leu Pro Ser Pro Lys Pro Ala Pro Leu Pro His Phe Pro Val Ala
 1 5 10 15
 Pro Leu Val Leu Phe Ala His Trp Xaa Leu Cys Ser Ser Lys Gly Val
 20 25 30
 Leu Pro Glu Val Arg Gly Leu Ser Leu His Pro Leu Gly His Gly Ala
 35 40 45
 Ala Val Pro Ala Leu Pro Leu Pro Glu Ala Ala Ala Pro Ala
 50 55 60

<210> 1014
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1014
 Met Leu Pro Ser Pro Lys Pro Ala Pro Leu Pro His Phe Pro Val Ala
 1 5 10 15
 Pro Leu Val Leu Phe Ala His Trp Xaa Leu Cys Ser Ser Lys Gly Val
 20 25 30
 Leu Pro Glu Val Arg Gly Leu Ser Leu His Pro Leu Xaa His Gly Ala
 35 40 45
 Ala Val Pro Ala Leu Pro Leu Pro Glu Ala Ala Ala Pro Ala
 50 55 60

<210> 1015
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 1015
 Met Ala Asp Thr Ala Cys Asp Ser Asp Val Leu Leu Gln Leu Val Leu
 1 5 10 15
 Val Trp Leu Gly Glu Val Leu Gly Val Ile Gly Asp Cys Pro Glu Leu
 20 25 30
 Val Gln Arg Ser Phe Leu Val Ala Ser Val Leu Pro Gly Pro Asp Gly
 35 40 45
 Asn Ile Asn Ser Pro Thr Arg Asn Ala Asp Met Gln Glu Glu Leu Ile
 50 55 60
 Ala Ser Leu Glu Glu Gln Leu Lys Leu Ser Gly Glu His Ser Glu Ser
 65 70 75 80
 Ser Thr Pro Arg Pro Arg Ser Ser Pro Glu Glu Thr Ile Glu Pro Glu
 85 90 95
 Ser Leu His Gln Leu Phe Glu Gly Glu Ser Glu Thr Glu Ser Phe Tyr
 100 105 110
 Gly Phe Glu Glu Ala Asp Leu Asp Leu Met Glu Ile
 115 120

<210> 1016
 <211> 348
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 Pro Gly Tyr His Ile Met Leu Pro Phe Ile Thr Thr Phe Arg Ser Val

50

55

60

Gln Thr Thr Leu Gln Thr Asp Glu Val Lys Asn Val Pro Cys Gly Thr
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 Ser Gly Gly Val Met Ile Tyr Ile Asp Arg Ile Glu Val Val Asn Met
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 Tyr Asp Lys Thr Leu Ile Phe Asn Lys Ile His His Glu Leu Asn Gln
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 Phe Cys Ser Ala His Thr Leu Gln Glu Val Tyr Ile Glu Leu Phe Asp
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<211> 132

<212> PRT

<213> Homo sapiens

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 50 55 60
 Leu Ala Leu Asp Asp Gly Pro Glu Gly Leu Ser Leu Leu Val Thr Pro
 65 70 75 80
 Leu Trp Val Leu Phe Pro Tyr Leu Ser Val Thr Arg Phe Leu Ile Leu
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 Ile Pro Cys Cys Glu Phe Gly Ser Leu Cys Trp Ala Ile Gln Ser Ser
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 Arg Gly Leu Ser
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Met Pro Leu Trp Ala His Leu Ala Ser
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<211> 162

<212> DNA

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 <212> DNA
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 1043

<211> 545

<212> DNA

<213> Homo sapiens

<400> 1043

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<210> 1044
 <211> 780
 <212> DNA
 <213> Homo sapiens

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<210> 1045
 <211> 1262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (395)
 <223> n equals a,t,g, or c

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<210> 1046
 <211> 1568
 <212> DNA
 <213> Homo sapiens

<400> 1046

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<210> 1047

<211> 1569

<212> DNA

<213> Homo sapiens

<400> 1047

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<210> 1048
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1558)
 <223> n equals a,t,g, or c

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 aatcccaaca gcacacaatg cttcttattc ctttttcttc tctccatccc tccatcactg 240
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<210> 1049
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1049
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 gggaggattg cttgagcaca ggaggtcgaa gctgcagtga gctgtgatca tgccactgca 420
 ctccagcctg ggcaatgg 438

<210> 1050

<211> 375
 <212> DNA
 <213> Homo sapiens

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<210> 1051
 <211> 438
 <212> DNA
 <213> Homo sapiens

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<210> 1052
 <211> 375
 <212> DNA
 <213> Homo sapiens

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<210> 1053
 <211> 24079
 <212> DNA
 <213> Homo sapiens

<400> 1053
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<212> DNA
<213> Homo sapiens

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<210> 1070
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> n equals a,t,g, or c

<400> 1070						
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aataaaagata	ttgccacact	ctatccatat	gtttatacat	caaattttta	ctgagtacat	180
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 aaaaaaaaaa aaa 1333

<210> 1071
 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 1071
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 gaatattcac agattaagtt ttacaaaaag gtaaagtttt gtgataaccc tcagataaaa 180
 cagaaacata tgacctatgt tttgacataa aacatacgtat tttggcctgt tctgaaaaat 240
 atgtataatt ttcacacacc acattctacc aaggaaaatg tcaaccggag ccaaccaact 300
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 ccaactactg atacctgctt cagaaaactg actatgaatt ccacaaagtc ctgctttttt 420
 cttttggatt gtacaatcaa caaacaagtc acccttctaa aactctgttt ctgaaatttt 480
 aacataattc ctgaagttcc agagtctctt aaatgctaaa atattaacaa taccattcca 540
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<210> 1072
 <211> 766
 <212> DNA
 <213> Homo sapiens

<400> 1072
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 gtgaggggaa gggaagtgga ggtggggagg agggcagtgg ggggtggggag ggccaggaac 300
 tgctgactgg gaagattatt ttctttgtgt attgtctagg ttttgtttta cttatttggt 360
 ttcttgcagc ttttaacaac atcagcgctg catgtggaaa cttggaaaag aaaaaaaaaa 420
 ctttaacaaa caaaaacaca catacctgag atgcacacgg caacctacta gctcatggca 480
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 ttactctggt ctgagaatgt ttcttccaaa ccttaatggc tctccccttc tttttcctta 660
 acttcttcat tccaccctg gaataacgtt ctagtccaga ctagaaatac aacgtaaata 720
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<210> 1073
 <211> 646
 <212> DNA
 <213> Homo sapiens

<400> 1073
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 gaatattcac aaattaagtt ttacaaaaag gtaaagtttt gtgataaccc tcagataaaa 180
 cagaaacata tgacctatgt tttgacataa aacatacgtat tttggcctgt tctgaaaaat 240
 atgtgtaatt ttcacacacc atattctacc aaggaaaatg tcaaccagag ccaaccaact 300
 tgggtgttcca ctcatcaact cttttatgcc aacatgggtgt ttctgccctt gtctcagaag 360
 ccaactactg atacctgctt cagaaaactg actatgaatt ccacaaagtc ctgctttttt 420
 cttttggatt gtacaatcaa caaacaagtc acccttctaa aactctgttt ctgaaatttt 480
 aacataattc ctgaagttcc agagtctctt aaatgctaaa atattaacaa taccattcca 540
 ttttttcccc taacactcag aagcatactg atacccatcc tgtacacagc cttttcttgc 600

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646

<210> 1074
<211> 766
<212> DNA
<213> Homo sapiens

<400> 1074
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tcctgaaata ggccacagag atgaggggaa ataaaaagcc atctcaagga gatcttgaaa 180
gccagggtga gaagcctgga gtttgcccct ccaggatcct ggctctcaat ctggataaga 240
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ctttaacaaa caaaaacaca catacctgag atgcacacgg caacctacta gctcatggca 480
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<210> 1075
<211> 1044
<212> DNA
<213> Homo sapiens

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caacagtgcc cacatttatt cttg 1044

<210> 1076
<211> 1044
<212> DNA
<213> Homo sapiens

<400> 1076
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aaacctaagt cccttcgctg tcaaatacctt aggggagtaa attctgtcat ctctgggtac 180
ctgttttctt gacttttcaa ggtgttgaaa agagccttat gattcagcca aactttccaa 240
cagctctgat gggcagttta tcctcactcc cactctaccc agctctgttc ctttcttctc 300

ttccactgtg tctgaatttg acaggggtccc agtctcagtg gtactgttca aagtgtttat 360
 aatgttactc ttctgggcaa tttttgcttc atacgtctcc atccaatcaa tgcatttcag 420
 gtgttggtgc agagagattt ttgggggtgc tgggtacaagc aagacaggaa taacccttaa 480
 gtcacaataa aggcctctgc agggagtttt tacattcact tcatttttaga catcctcatt 540
 tcccttttct acatcatgta atttgtgtga tttttttttt ttagatggct attcatatga 600
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 tgttcttcct tcagcgttac ttacacccaaa taggactctg aaaatggcca tcaatagatg 720
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 caacagtgcc cacatttatt cttg 1044

<210> 1077
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 1077
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 atggtttag attgtttatg attaaatgga gaaaaatcac ttcagatgtt gaagcaattt 180
 ttttggattt taagtttgca ggataacgat ttttttctta ttttccaaac ctagggtacaa 240
 gttagatgaa ataaattctg agtaagtcaa gttgactttg ctgaaatata taacgtgaca 300
 aactctagcc tcccttca 318

<210> 1078
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1078
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 aaggtacctt gttttatagt tgtaactttt tttttttttg agatggagtc ttgctctgtc 120
 acccaggctg gagtgcagtg gtgcgatctc agctcactgc aacctctgtc tcgcgggctc 180
 aagtgattct cctgcctcag cctcctgagt agctggaatt acaggcacct gccaccatgc 240
 ccagctaatt tgtgtatttt tagtagaggt agggttttgc catgttggcc aggctggtct 300
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 gtgaaagcca 370

<210> 1079
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 <212> DNA
 <213> Homo sapiens

<400> 1079
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 gttagatgaa ataaattctg agtaagtcaa gttgactttg ctgaaatata taacgtgaca 300
 aactctagcc tcccttca 318

<210> 1080
 <211> 111
 <212> DNA

<213> Homo sapiens

<400> 1080

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<210> 1081

<211> 1974

<212> DNA

<213> Homo sapiens

<400> 1081

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atggtcccca gagtgggatg gcttgccttt tcaaactggg tttcccaccc agcaagttaa      180
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ccagacatta tatcatttta tctaaaagta tttcaggatg tatctgtaag agatgaggac     1920
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<210> 1082

<211> 90

<212> DNA

<213> Homo sapiens

<400> 1082

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<210> 1083

<211> 9728

<212> DNA

0995005660

<213> Homo sapiens

<400> 1083

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<212> DNA

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<211> 802

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1142
<211> 1271
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 466

<212> DNA

<213> Homo sapiens

<400> 1144

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 <212> DNA
 <213> Homo sapiens

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 <211> 98
 <212> DNA
 <213> Homo sapiens

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<210> 1147
 <211> 1044
 <212> DNA
 <213> Homo sapiens

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<211> 207

<212> DNA

<213> Homo sapiens

<400> 1148

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<210> 1149

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1149

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<210> 1150

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1150

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<211> 7734

<212> DNA

<213> Homo sapiens

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632

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<213> Homo sapiens

<400> 1160

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<211> 807

<212> DNA

<213> Homo sapiens

<400> 1193

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<213> Homo sapiens

<400> 1195

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<213> Homo sapiens

<400> 1196

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<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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095008-09100
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<211> 350

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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 <211> 1899
 <212> DNA
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<212> DNA
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<212> DNA
<213> Homo sapiens

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 aaa 363

<210> 1328
 <211> 446
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <213> Homo sapiens

<220>
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 <222> (2006)

<223> n equals a,t,g, or c

<400> 1331

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<211> 2115

<212> DNA

<213> Homo sapiens

<400> 1332

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<400> 1333
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 <212> DNA
 <213> Homo sapiens

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<210> 1335
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 <212> DNA
 <213> Homo sapiens

<400> 1335
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<210> 1336
 <211> 2121
 <212> DNA
 <213> Homo sapiens

<400> 1336
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 <212> DNA
 <213> Homo sapiens

<400> 1337

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 <212> DNA
 <213> Homo sapiens

<400> 1338

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 <211> 2410
 <212> DNA
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 <222> (1314)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1320)
 <223> n equals a,t,g, or c

<220>
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 <222> (1327)
 <223> n equals a,t,g, or c

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<212> DNA

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<210> 1423
 <211> 2017
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1427
<211> 1876
<212> DNA
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<211> 3998

<212> DNA

<213> Homo sapiens

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<211> 483

<212> DNA

<213> Homo sapiens

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<211> 522

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 206
<212> DNA
<213> Homo sapiens

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<210> 1476
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<212> DNA
<213> Homo sapiens

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<211> 1439

<212> DNA
<213> Homo sapiens

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<211> 205
<212> DNA
<213> Homo sapiens

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<211> 509
<212> DNA
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<400> 1479
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 1481

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<212> DNA
<213> Homo sapiens

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<210> 1524
<211> 1052
<212> DNA
<213> Homo sapiens

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<211> 293

<212> DNA

<213> Homo sapiens

<400> 1525

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gaatggcatg	aacccgggag	gtgcagcttg	cagtgcagcag	agatctcgcc	actgcactcc	240
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<210> 1526

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1526

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aaaatacaaa	aattagccgg	gtgtggtgtc	aggtgcctgt	agtcccagct	actctggagg	180
ctgaggcagg	agaatggtgt	gaacccggga	ggtggagctt	gcagtgcagc	gagatcacac	240
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<210> 1527

<211> 183

<212> DNA

<213> Homo sapiens

<400> 1527

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<210> 1528

<211> 149

<212> DNA

<213> Homo sapiens

<400> 1528

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<210> 1529

<211> 318

FOIA b 7 - 2300560

<212> DNA
 <213> Homo sapiens

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 ctactaaaaa tacaaaaaat tagccaggcg cggtaggcggg cgcctgtagt cccagctact 180
 cgggagggtg aggcaggaga atggcgtgaa cccgggaagc ggagcttgca gtgagccgag 240
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 aaaaaaaaaa aaaaaaaaaa 318

<210> 1530
 <211> 140
 <212> DNA
 <213> Homo sapiens

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 attagctggg catggtggca 140

<210> 1531
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 1531
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 attagccagg catggtggcg ggcgcctgta gtcccagcta ctctggaggc tgaggcagga 180
 gaatggtgtg aacccccgag gaggagcttg cagtgagccg aga 223

<210> 1532
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 1532
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<210> 1533
 <211> 300
 <212> DNA
 <213> Homo sapiens

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 caggagaatg gcatgagccc agggaggcga gcatgcagcg agccgagatg gaaccactgc 240
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FOIA b 7 - DEDUCED

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 <212> DNA
 <213> Homo sapiens

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 cgggcatctg tagtcccagc tactctggag gctgaggcgg gagaatggcg tgaacccccg 180
 aggcagagct tgcagtgagc cgaga 205

<210> 1535
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1535
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 aaaacacaaa aaattagccg ggcatgttgg caggtgcctg tagtccc 167

<210> 1536
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 <212> DNA
 <213> Homo sapiens

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<210> 1537
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 <212> DNA
 <213> Homo sapiens

<400> 1537
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<210> 1538
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 1538
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 gaggatgagg caggagaatg gcgtgaacct gggaggcgga gtttgagtg agccgagatg 240
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Exhibit 100-23000000

<210> 1539
 <211> 275
 <212> DNA
 <213> Homo sapiens

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 gcatggtggc gggcacctgt agtcccagct actcgggagg ctgaggcagg agaatggtgt 180
 gaagctggga ggcgaggctt gcagtga gccagattgtgc cactgcactc cagcctgggt 240
 gacagagcaa gactctgact caaaaaaaaaa aaaaaa 275

<210> 1540
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 <212> DNA
 <213> Homo sapiens

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<210> 1541
 <211> 2364
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 1542						
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 <212> DNA

<213> Homo sapiens

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<210> 1545

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1545

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<210> 1546

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1546

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<210> 1547

<211> 1365

<212> DNA

<213> Homo sapiens

<400> 1547

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1365

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<212> DNA

<213> Homo sapiens

<400> 1548

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<210> 1549

<211> 308

<212> DNA

<213> Homo sapiens

<400> 1549

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<210> 1550

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1550

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tggcgtgaac	ccgggaggcg	gagcttgtag	tgagccgaga	tcgcgccact	gcactccagc	240
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<210> 1551

<211> 140

<212> DNA

<213> Homo sapiens

<400> 1551

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<210> 1552

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1552

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<210> 1553
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 1553						
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gctgaggcag	gagaatggcg	tgaacccggg	aggcggagct	ttcagtgagc	cgagatcgcg	240
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<210> 1554
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 1554						
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<210> 1555
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 <212> DNA
 <213> Homo sapiens

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<210> 1556
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 1556						
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gagaatggcg	tgaacccggg	aagcggagct	tgagttaagc	cgagattgcg	ccactgcagt	240
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<210> 1557
 <211> 278
 <212> DNA

<213> Homo sapiens

<400> 1557

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<210> 1558

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1558

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taaaaataca	aaaaattagc	ccgctgtggt	ggcgagcgcc	tgtagtccca	gctacttggg	180
aggctgaggc	aggagaatgg	catgaacccg	ggagggtggag	cttgcaagtga	gccgagatca	240
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<210> 1559

<211> 1365

<212> DNA

<213> Homo sapiens

<400> 1559

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<210> 1560

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1560

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<210> 1561
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 <212> DNA
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<400> 1561						
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<210> 1562
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 1562						
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<210> 1563
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 <212> DNA
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<400> 1563						
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<210> 1564

<211> 98

<212> DNA

<213> Homo sapiens

<400> 1564

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<210> 1565

<211> 2327

<212> DNA

<213> Homo sapiens

<400> 1565

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<212> DNA
<213> Homo sapiens

<400> 1566
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<210> 1567
<211> 98
<212> DNA
<213> Homo sapiens

<400> 1567
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<210> 1568
<211> 126
<212> DNA
<213> Homo sapiens

<400> 1568
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<210> 1569
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<212> DNA
<213> Homo sapiens

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<210> 1572
 <211> 7852
 <212> DNA
 <213> Homo sapiens

<400> 1572
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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 309

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<213> Homo sapiens

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<211> 577

<212> DNA

<213> Homo sapiens

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<210> 1600

<211> 147

<212> DNA

<213> Homo sapiens

<400> 1600

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<210> 1601

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1601

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<210> 1602

<211> 1433

<212> DNA

<213> Homo sapiens

<400> 1602

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<211> 1434

<212> DNA

<213> Homo sapiens

<400> 1603

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<210> 1604

<211> 577

<212> DNA

<213> Homo sapiens

<400> 1604

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<210> 1605
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1605
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<210> 1606
<211> 577
<212> DNA
<213> Homo sapiens

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<211> 196
<212> DNA
<213> Homo sapiens

<400> 1607
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<210> 1608
<211> 4454
<212> DNA
<213> Homo sapiens

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<211> 1569

<212> DNA

<213> Homo sapiens

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<211> 442

<212> DNA

<213> Homo sapiens

<400> 1615

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<210> 1616

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1616

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<210> 1617

<211> 472

<212> DNA

<213> Homo sapiens

<400> 1617

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<210> 1618

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1618

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<210> 1619

<211> 1044

<212> DNA

<213> Homo sapiens

<400> 1619

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<210> 1620

<211> 1047

<212> DNA

<213> Homo sapiens

<400> 1620

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<210> 1621

<211> 1047

<212> DNA

<213> Homo sapiens

<400> 1621

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<210> 1622

<211> 1721

<212> DNA

<213> Homo sapiens

<400> 1622

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<211> 2743

<212> DNA

<213> Homo sapiens

<400> 1623

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<212> DNA
<213> Homo sapiens
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1331

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 1636

<211> 4387

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 1727

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<210> 1748

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1748

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<210> 1749

<211> 87

<212> DNA

<213> Homo sapiens

<400> 1749

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<210> 1750
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 <212> DNA
 <213> Homo sapiens

<400> 1750
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<210> 1751
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 <212> DNA
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<400> 1751
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 <211> 396
 <212> DNA
 <213> Homo sapiens

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<210> 1753

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1753

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<210> 1754

<211> 130

<212> DNA

<213> Homo sapiens

<400> 1754

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<210> 1755

<211> 465

<212> DNA

<213> Homo sapiens

<400> 1755

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<210> 1756

<211> 354

<212> DNA

<213> Homo sapiens

<400> 1756

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<210> 1757

<211> 485
 <212> DNA
 <213> Homo sapiens

<400> 1757
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<210> 1758
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 1758
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<210> 1759
 <211> 1628
 <212> DNA
 <213> Homo sapiens

<400> 1759
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<210> 1760
 <211> 1366
 <212> DNA
 <213> Homo sapiens

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<210> 1761
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 <212> DNA
 <213> Homo sapiens

<400> 1761
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<210> 1762
 <211> 485
 <212> DNA
 <213> Homo sapiens

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<210> 1763

<211> 116

<212> DNA

<213> Homo sapiens

<400> 1763

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<210> 1764

<211> 913

<212> DNA

<213> Homo sapiens

<400> 1764

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<211> 634

<212> DNA

<213> Homo sapiens

<400> 1765

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<400> 1776

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<210> 1777

<211> 1100

<212> DNA

<213> Homo sapiens

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<211> 1899

<212> DNA

<213> Homo sapiens

<400> 1778

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<211> 104

<212> DNA

<213> Homo sapiens

<400> 1779

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<210> 1780

<211> 1190

<212> DNA

<213> Homo sapiens

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<210> 1781

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1781

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<210> 1782

<211> 12473

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 1783

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<211> 898

<212> DNA

<213> Homo sapiens

<400> 1789

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<210> 1790

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1790

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<211> 886

<212> DNA

<213> Homo sapiens

<400> 1791

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 c 661

<210> 1801

<211> 875
 <212> DNA
 <213> Homo sapiens

<400> 1801
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 actcactagg ttaatctatg ctaaataccc aacaggaagg cagctgtagg gaaaagcaag 180
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 taaggtagtt gctctgtgct ttcagcttcc tcatgtacaa aattgagata ataatgatgc 300
 ccacttttgg gaattcttgt aaagatgaaa agattccaaa tatgtaaagt gcatagaaca 360
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 tagtaggcct gagataaaac tttctcctat ttcattccctc ctctccctc ttcctgattt 480
 tacatgttat ttagttgttt ctccctctca ctataattat ttgtgagaag ttacaagagt 540
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 ggctgtgggt acatgggatc cctggaatgt taattaattt tcatatttcc ctttaaggta 720
 cttctgtggc tcaaacaatg aatttctgag ttaggtccca aagtggcatt tttgtttgcc 780
 aacaccctca taggaaactg tattagaagc tttcttgtaa tatttaagag cttttaaag 840
 agcgagactc cgtctccaaa aaaaacaaaa aaaaa 875

<210> 1802
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 1802
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 aaaaatattc ctatttgtta cggtttgcct gtatgtgttt gtcattaatc tattaattca 180
 ttcagtgaag agatgccaac ttgtatacta gcctgggaaa cctctgtgtc ctcagtgcct 240
 aatttaatac tcttttttct atctagtagt aaaatgaata tgaatgtaca tgtctgaggt 300
 ctctataaat taaaaggtaa aaagtcttaa gccagggtgt gtggcatgca cctgtattcg 360
 cagatatttg ggaggttgag gtgggagcat tgcttgaggc cagaagtttg aggctgtagt 420
 gtgcaatgct cttacctgtg aatagccatg gccctccaac atgggcaatg cagtgaagacc 480
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<210> 1803
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 1803
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 atgtaaaatg taaatgcatg taaatgcaca cttcatttta tgtattattt agtaatttgc 180
 agtggtagtg gtttaatat tttgtacct acacattagg caaaaaaag atgtaaataa 240
 tttgggagaa aaagaggaag aacagtgtaa aataaaactt tctataagta ctccatttca 300
 atgtgttcaa catcatccta aaaggcaaga ttttcccacg caggtgacaa ggtggtttat 360
 gtactattta agggcggaag gtgcgtgccc gttcaataag catgtttttt gccaggtagg 420
 aaatatgttc catatcttta cttatcattg catttcagat gggaactaga aaaactggag 480
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<210> 1804
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 1804
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 gtactatttta agggcggaag gtgctgtccc gttcaataag catgtttttt gccaggtagg 420
 aaatatgttc catatcttta cttatcattg catttcagat gggaactaga aaaactggag 480
 agaaaaatgt aatgaaactg ctgctgtaaa ttattccttt tagcatgtat tcacttgcta 540
 aatacacatt tcttcaaaat a 561

<210> 1805
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 1805
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 atgtaaaatg taaatgcatg taaatgcaca cttcatttta tgtattatatt agtaatttgc 180
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 tttgggagaa aaagaggaag aacagtgtaa aataaaactt tctataagta ctccatttca 300
 atgtgttcaa catcatccta aaaggcaaga ttttcccacg caggtgacaa ggtggtttat 360
 gtactatttta agggcggaag gtgctgtccc gttcaataag catgtttttt gccaggtagg 420
 aaatatgttc catatcttta cttatcattg catttcagat gggaactaga aaaactggag 480
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 aatacacatt tcttcaaaat a 561

<210> 1806
 <211> 1741
 <212> DNA
 <213> Homo sapiens

<400> 1806
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 ttctaagcta gagtaggatt tgtcttaca ttattgtgct atgtagtatt tgttttaaaa 180
 attccaatgg tgtgctgctt tctttggaca ttttattttc aattctataa gagggataga 240
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 aattatgctt tattttctctg agaaaatcaa acaaatggaa gctgttcaca cctccccttc 360
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 agactttcag aatttgaatg cattttgttt agtgttatga aatgacaata gaaaaaagtc 1680
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 c 1741

<210> 1807

<211> 354

<212> DNA

<213> Homo sapiens

<400> 1807

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 cataatcagt ttggttttat tcaggatcca caaagatgtc agatgactgt tattgaaatt 180
 gcttatctta aaggtcacag acaagcattt tattaatatg gagccactag tataatatgt 240
 taaaatcttt gttttattag ctcattttta aacacaattt ccattcaatt taatgaaact 300
 gtatcagggt tcatgggttc aaagacagac ttaaatagga ttcaacacccc ccgt 354

<210> 1808

<211> 1741

<212> DNA

<213> Homo sapiens

<400> 1808

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 ttctaagcta gagtaggatt tgtcttataa ttattgtgct atgtagtttt tgttttaaaa 180
 attccaatgg tgtgctgctt tctttggaca ttttattttc aattctataa gagggataga 240
 tgacattggt ctagaaacac atatacatca ttaagagtga atctctaaaa ccaggatata 300
 aattatgctt tattttctctg agaaaaatcaa acaaatggaa gctgttcaca cctccccctc 360
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 tcaatgaagg gaaaagggaac tgcataattc atgaaaaata taagcattgt cttaatatat 540
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 gatctctctt atgattctac caagaattat atctgtgtca ctttaattttt ttaaaagaga 660
 gagatcaata actattcaga gcaacatggt aaaggcaaag tttccaatca ttacatctg 720
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 agactttcag aatttgaatg cattttgttt agtgttatga aatgacaata gaaaaaagtc 1680
 tcgacttcaa ttaaaagtta cacaaacaaa caaatctaca ggcatgtctt tatataccat 1740
 c 1741

1493-200550

<210> 1809
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1809
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 ctttttaaatg tcatacctaa aaaggaaatg tagggataaa tttttataat gtgtcatttt 120
 cataatcagt ttgggtttat tcaggatcca caaagatgtc agatgactgt tattgaaatt 180
 gcttatctta aaggtcacag acaagcattt tattaatatg gagccactag tataatatgt 240
 taaaatcttt gttttattag ctcattttta aacacaattt ccattcaatt taatgaaact 300
 gtatcagggt tcatgggttc aaagacagac ttaaataagga ttcaacaccc ccgt 354

<210> 1810
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 1810
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 cgctatgttt agggccagta agaggtctct taaggacagt cagtgtgatt gaagggttat 180
 acagttttca gctttgaaca gtattggatc aaaattgatt ttgcttttaa tattgacatc 240
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 ttcttctttt tatatgttta aagtatttca taattttaat aaaatagaaa attaactttg 360
 ctttgattta agttggtgaa taataacaaa tatttgggtt ataatttccc tttagtatta 420
 agttagctgt agaaatgggt ttgtatctga cctagtaacc catttgactt tttaaagatg 480
 aattactaaa tttttttaat gatatgaaaa aatgtaattt gctcccttta cctcttatca 540
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 atctctttta aaaaaaaaaa aa 1102

<210> 1811
 <211> 3919
 <212> DNA
 <213> Homo sapiens

<400> 1811
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 tacagtgagt aaaaatttta aacttgattt gatgtcatct agagtacttt agtgtgcttc 180
 agaatcatct aggaaatctt agtttctgtt tcccatcctc agagattttg actcagtagg 240
 tatgggtgtg gtctcacgaa tttgtatttt taataagtgc ttcagctgaa gataggactc 300
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<210> 1813
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1813						
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gatagcgggt	tttggttttg	ttttttgttt	ttggcccagg	cggagtgtctg	tggtgcagtc	180
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<210> 1814
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1814						
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ctttgagatg	cctgaaataa	ttgtttttta	atttctcaac	aacctttata	aatgctgtat	180
taaaatttaa	aaggaaatac	tggttgaaat	gttgttttta	tagtaataag	tatcaaattgt	240
caaattattg	ttaaaataat	tactaaaaat	aaaattaata	aaaaatcttt	ttatagtaag	300
aa						302

<210> 1815
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1815						
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gatagcgggt	tttggttttg	ttttttgttt	ttggcccagg	cggagtgtctg	tggtgcagtc	180
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<210> 1816
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1816						
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aa						302

<210> 1817
 <211> 1798
 <212> DNA

<213> Homo sapiens

<400> 1817

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<210> 1818

<211> 1186

<212> DNA

<213> Homo sapiens

<400> 1818

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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117

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<212> DNA

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<212> DNA

<213> Homo sapiens

<400> 1870

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<211> 19866

<212> DNA

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<400> 1917

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 <212> DNA
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<210> 1946

<211> 2144

<212> DNA

<213> Homo sapiens

<400> 1946

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<212> DNA

<213> Homo sapiens

<400> 1948

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<212> DNA

<213> Homo sapiens

<400> 1949

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<213> Homo sapiens

<400> 1979

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<213> Homo sapiens

<400> 1980

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<212> DNA

<213> Homo sapiens

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<211> 582

<212> DNA

<213> Homo sapiens

095005660

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<212> DNA

<213> Homo sapiens

<400> 1983

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<211> 3206

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<213> Homo sapiens

<400> 1984

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<210> 2021

<211> 1729

<212> DNA

<213> Homo sapiens

<400> 2021

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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FOIA b 7 - 2800550

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TOP SECRET 28005650

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T02T60" 2800550

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